

PISHGAM

BALL VALVE MANUFACTURER

کارخانه : تهران، شهرک صنعتی شمس آباد، بلوار بهارستان،

بلوار نارنجستان، انتهای گلبرگ ۴

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www.pishgam.co

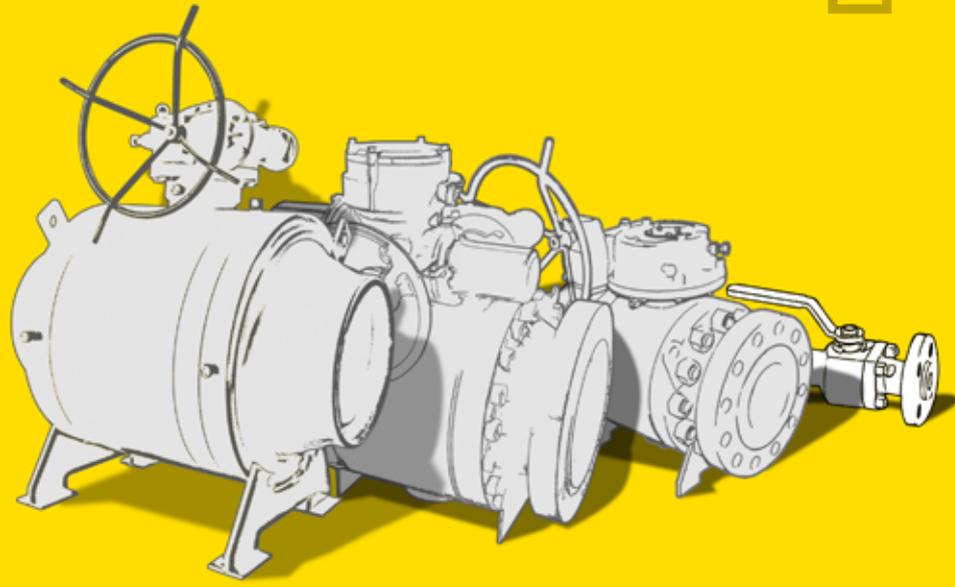
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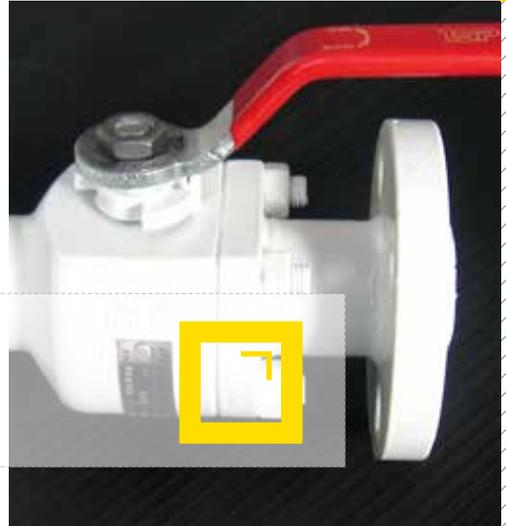
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Small Ball Valves

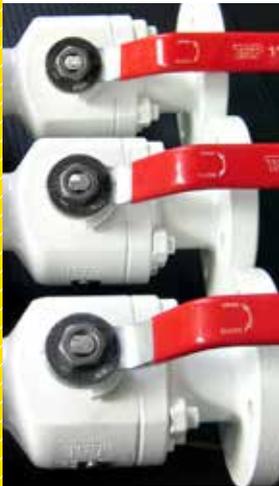
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Company Profile



PISHGAM Industrial Designers Company named "PISHGAM" hereafter is a privately held company led by board of directors consisting of graduates of reputable Iranian universities with high level of educations.

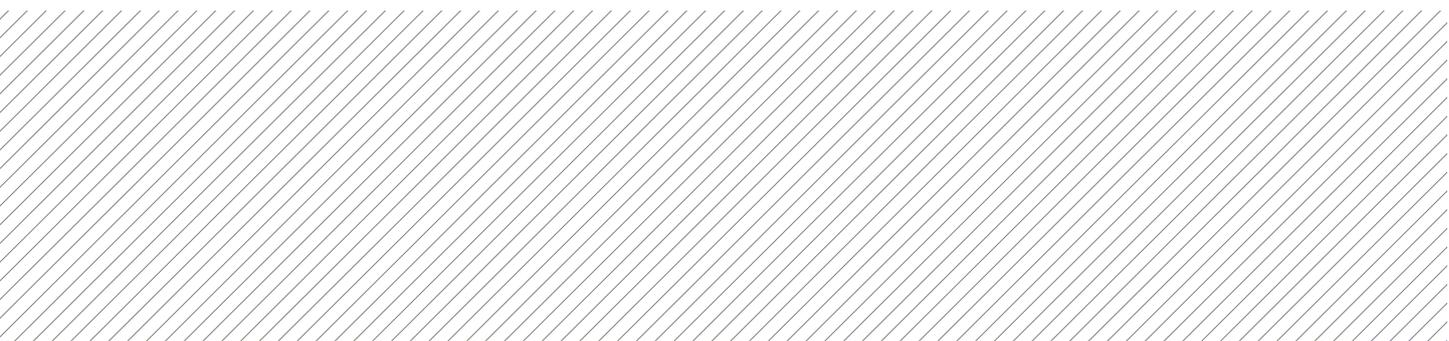
Directors have been chosen and employed among the best educated people holding recognized academic degrees who are experienced and professional in their field of work.

Since 2002 this company has started performing professional activities through experienced staff who have undergone necessary trainings concentrating on design and production of oil and gas equipment through cooperation with top rated companies abroad and intelligent technology transfer.

PISHGAM is emphasizing on production of premium quality products in accordance with national and international standards. For all productions supply, production, and test processes are performed under supervision of quality control department which monitors all processes by accurate instrumentation and records the information as per parts recognition procedures. Good reputation in oil and gas industry obliges the company to implement quality standards.

PISHGAM is set and implemented all organizational and information flow procedures in all organizational levels with regard to quality management system. Process improvement is an integral responsibility assigned to all departments which are all monitored by quality assurance department.

Having about 4000 sqm workshop, storage and office; PISHGAM conforms with all necessary standards for work environment; creating a suitable area for business. Benefiting from highly qualified technical and engineering team and holding



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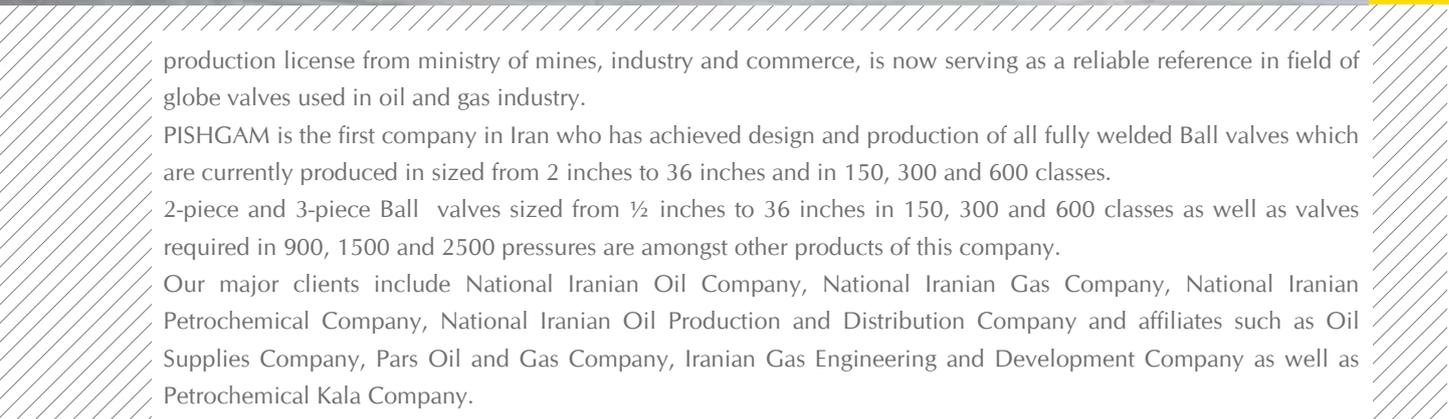
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production license from ministry of mines, industry and commerce, is now serving as a reliable reference in field of globe valves used in oil and gas industry.

PISHGAM is the first company in Iran who has achieved design and production of all fully welded Ball valves which are currently produced in sized from 2 inches to 36 inches and in 150, 300 and 600 classes.

2-piece and 3-piece Ball valves sized from ½ inches to 36 inches in 150, 300 and 600 classes as well as valves required in 900, 1500 and 2500 pressures are amongst other products of this company.

Our major clients include National Iranian Oil Company, National Iranian Gas Company, National Iranian Petrochemical Company, National Iranian Oil Production and Distribution Company and affiliates such as Oil Supplies Company, Pars Oil and Gas Company, Iranian Gas Engineering and Development Company as well as Petrochemical Kala Company.





می باشد و تمامی واحدهای سازمان تحت نظارت واحد تضمین کیفیت مشغول فعالیت می باشد. شرکت پیشگام با بهره گیری از نزدیک به ۴۰۰۰ متر فضای کارگاهی، اداری و انبار در تمام بخشها استانداردهای لازم را در محیط کار رعایت نموده و فضاهای متناسب با نیاز کسب و کار را ایجاد نموده است.

شرکت پیشگام با بهره گیری از تیم فنی و مهندسی قوی علاوه بر دارا بودن پروانه بهره برداری در تولید شیرآلات از وزارت صنعت و معدن و تجارت، مجوز تأسیس واحد تحقیق و توسعه را اخذ نموده است و به عنوان یک مرجع در حوزه شیرآلات تویی کاربردی در صنعت نفت، گاز و پتروشیمی در ایران مطرح می باشد.

شرکت پیشگام اولین شرکت در بین تولید کنندگان شیرهای تویی در ایران می باشد که موفق به طراحی و ساخت شیرهای تمام جوشی در ایران گردید و امروز این شیرها از سایز ۲ اینچ الی ۳۶ اینچ در کلاسهای ۱۵۰، ۳۰۰ و ۶۰۰ تولید می شوند.

از دیگر تولیدات شرکت می توان به شیرهای تویی دو یا سه تکه از سایز ۱/۴ اینچ الی ۳۶ اینچ در کلاس های ۱۵۰، ۳۰۰ و ۶۰۰ و همچنین شیرهای مورد نیاز در فشارهای ۹۰۰، ۱۵۰۰ و ۲۵۰۰ اشاره کرد.

از مشتریان اصلی ما می توان به شرکت های ملی گاز، ملی نفت، ملی پتروشیمی، ملی پالایش و پخش فرآورده های نفتی و کلیه شرکت های تابعه ایشان همچون شرکت کالای نفت، شرکت نفت و گاز پارس، شرکت مهندسی و توسعه گاز و کالای پتروشیمی اشاره نمود.



معرفی شرکت

شرکت طراحان تجهیزات صنعتی پیشگام که در این کاتالوگ به نام «پیشگام» شناخته می شود، یک شرکت سهامی خاص است که در رأس آن هیئت مدیره قرار دارد. اعضا، هیئت مدیره از فارغ التحصیلان دانشگاههای معتبر ایران با مدارک عالی می باشند و رهبری شرکت را به عهده دارند.

مدیران اجرایی شرکت از بین بهترین افراد تحصیل کرده با مدارک علمی معتبر که دارای تجربه و تخصص در رشته مرتبط با فعالیت خود هستند انتخاب و به خدمت گرفته شده اند.

این شرکت در فعالیتهای تخصصی خود از پرسنل مجرب و کارآموده که آموزشهای لازم را برای انجام فعالیتهای خود گذرانده اند، بهره گرفته است. وبا تمرکز بر طراحی وتولید تجهیزات مورد نیاز صنایع نفت وگاز وپتروشیمی کشور از طریق همکاری با شرکت های برتر خارجی وانتقال هوشمندانه دانش فنی از سال ۱۳۸۱ فعالیت خود را شروع کرده است.

شرکت پیشگام در تولید محصول با کیفیت عالی که در انطباق با استانداردهای ملی وبین المللی باشد اصرار می ورزد و برای تولید یک محصول با کیفیت بر اساس مستندات تدوین شده، کلیه فرآیندهای تأمین، تولید وتست را تحت نظر واحد کنترل کیفیت انجام میدهد. واحد کنترل کیفیت با بهره گیری از ابزارهای لازم و دقیق که در اختیار دارد کلیه فرآیندهای تولید محصول را زیر نظر دارد واقدام به ثبت اطلاعات طبق رویه های شناسایی قطعات می نماید. بهره مندی از شهرت خوب در عرصه صنعت نفت وگاز وپتروشیمی به سبب التزام شرکت در بکارگیری استانداردهای کیفیت می باشد.

شرکت پیشگام با پیاده سازی نظام مدیریت کیفیت، کلیه فرآیندهای سازمانی و گردش اطلاعات خود را تدوین ودر تمام لایه های سازمان پیاده سازی کرده است. بهبود فرآیندها توسط همه واحدها امری ضروری

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Company Overview



Engineering Expertise

The PISHGAM's expertise in ball valve engineering covers most of the processes in oil, gas and petrochemical industries. Extensive experience gained over the past years from the design, development, and manufacture of custom-engineered solutions serves as the basis for mastering new challenges.

The wide range of products proven in practice can be customized in close cooperation with the customer to provide a commercially acceptable solution to meet the requirements of even the most complex applications.

Quality Assurance Programme

The PISHGAM is sincerely committed to supplying Quality Assured products throughout the petrochemical and process industries. The fine reputation and position in the industry enjoyed by this company is wholly attributed to a rigid adherence to all aspects of Quality Control and Assurance.

It is the intent of PISHGAM to provide our customers with products of genuine quality. These products will be manufactured in strict compliance with all Code requirements and standards of quality and all customer specifications which are accepted by PISHGAM as a part of the customer Purchase Order.



Effective Logistics

In order to remain a valve manufacturer even under the changing conditions The PISHGAM has built a logistics system to ensure that the company is able to react quickly, flexibly, and in line with demand on a long-term basis. This logistics system increases the availability of PISHGAM products.

The purchase of raw materials, semi-finished parts, and services for use in our product will be in accordance with Material Specifications. In addition, foresighted production of components and peripheral devices as well as the quick final assembly according to customer specifications take place on short routes under the watchful eye of an ISO 9001-2008 certified quality assurance system and API specification Q1.



Advanced Manufacturing

The PISHGAM is using a combination of technologies, processes and education to produce ball valves. The production system employs numerical control automatic and semi-automatic machines. Both using these machines and qualified technicians PISHGAM continuously strives to reach the excellent of the quality in its products both for the technical characteristics and the reliability in their use. The entire manufacturing process follows procedures as laid down in the Company Quality Assurance Manual.



Well- Equipped Testing

Production testing is necessary to ensure that the product being shipped to the customer will offer the rated performance and meet the requirements of various regulator codes. The PISHGAM . conducts his own test and inspection of the assembled ball valve in the presence of the customer's inspector. The first step is a hydrostatic shell test of production ball valves. Valves are closed off and the ball placed in partially open position during the test. The second production qualification is a hydrostatic seat of production ball valves. This gives a qualification of 1.1 times the pressure rating of body at 100°F. The optional production qualification is a bi-directional 80 psi air test in which the valve is submerged in air and pressurized. This qualifies the seat and the stem seal, for zero bubble leaks. Fire testing of PISHGAM ball valve is according to the API 6FA.



Superior Service

The PISHGAM provides a superior product with superior service at competitive pricing. PISHGAM's sales force provides professional service to each customer and will discuss individual applications to provide the proper valve solution. After the sale, PISHGAM continues to add value for our customers. PISHGAM offers 24-hour emergency service as well as commissioning assistance to ensure valve integrity during installation and testing.



Applicable Standards

Ball valve standards are design to ensure interchangeability and reasonable functioning of the valve. The adaption of standards guarantees not only the performance of the product but also the continuity of supply, conformance to quality norms, and the incorporation of all product improvements.

PISHGAM ball valves conform to the latest edition of the following standard specifications as to face-to-face dimensions, pressure ratings, materials of construction, design dimensions for some valve components to ensure adequate strength and procedures for the testing of ball valves.



 American Petroleum Institute	API-6D	Specification for pipeline valve
	API-6FA	Fire test for valve
	API-598	Valve inspection and testing
	API-608	Metal ball valve – flanged, threaded and welding end
 American Society of Mechanical Engineers	ASME- B 16.5	Pipe flanges and flanged fittings
	ASME- B 16.25	Butt welding ends
	ASME- B 16.10	Face-to-face and end-to-end dimension of valve
	ASME- B 16.34	Valve-flanged, threaded and welding end
	ASME- Section VIII, div.1	Rules for construction of pressure vessels
	ASME- Section VIII, div.2	Alternative rules for construction of pressure vessels
	ASME- Section V	Nondestructive Examination
 British Standards Institution	BSI-BS 4504	Circular flanges for pipes, valve and fittings
	BSI-BS 5146	Inspection and test of valves
	BSI-BS 5351	Specification for steel ball valves
	BSI-BS EN 558	Industrial valves
 Iranian Gas Standards	IGS-M-PL-010-1	Ball valves, class 150
	IGS-M-PL-010-2	Ball valves, class 300
	IGS-M-PL-010-3	Ball valves, class 600
	IGS-M-PL-007	Valve actuator, gas-over-oil type
	IGS-M-PL-009	Hand wheel Operated Gear Box For Ball , Plug and Butterfly Valves
 Manufacturers Standardization Society	MSS-SP-6	.Standard finishes for contact face of pipe flanges
	MSS-SP-55	Quality standard for steel casting for valves, flanges and fittings and other piping components.
 National Association of Corrosion Engineers	NACE-MR 0175	Sulfide Stress Cracking Resistant Metallic Material for Oilfield Equipment
 International Organization for Standardization	ISO-14313	Petroleum and natural gas industries-pipeline transportation systems-pipeline valves
	ISO-5208	Industrial valves-pressure testing of valves
	ISO-5211	Industrial valves-part turn actuator attachment
	ISO-7121	Flanged steel ball valve

Product Range

TYPE	DIAGRAM	APPLICATIONS	P.max (Mpa)	CONNECTIONS	DN	MATERIAL
PBF-21T	2-way	Construction Agriculture Hydraulics Point		BSP-NPT-SAE-DIN		CS/SS
			50	1/8	DN4	
			50	1/4	DN6	
PBF-31T	2-way	Construction Agriculture Hydraulics Point Blo gas		BSP-NPT-SAE-DIN		CS/SS
			50	1/8	DN4	
			50	1/4	DN6	
			50	3/8	DN10	
			50	1/2	DN13	
			40	3/4	DN20	
			35	1	DN25	
			35	1 1/4R	DN25	
		35	1 1/2R	DN25		
PBF-32T	2-way	Construction Agriculture Hydraulics Point		ISO6162-1		CS/SS
			21/42	1/2	DN13	
			21/35	3/4	DN20	
		21/35	1	DN25		
PBF-33T	2-way	Construction Agriculture Hydraulics Point Mining		SAE J518		CS/SS
			21/42	1/2	DN13	
			21/35	3/4	DN20	
		21/35	1	DN25		

TYPE	DIAGRAM	APPLICATIONS	P.max (Mpa)	CONNECTIONS	DN	MATERIAL
PBF-34T	2-way	Construction Agriculture Hydraulics Point		BSP-NPT-SAE-DIN		CS/SS
			50	1/4	DN6	
			50	3/8	DN10	
			50	1/2	DN13	
			40	3/4	DN20	
		35	1	DN25		

Product Range

TYPE	DIAGRAM	APPLICATIONS	P.max (Mpa)	CONNECTIONS	DN	MATERIAL
		Construction Agriculture Hydraulics Point Blo gas		BSP-NPT-SAE-DIN		CS/SS
			35	1 1/4	DN32	
			35	1 1/2	DN40	
			35	2	DN50	
		Construction Agriculture Hydraulics Point		ISO6162-1		CS/SS
			21/35	1 1/4	DN32	
			21/35	1 1/2	DN40	
			21/35	2	DN50	
		Construction Agriculture Hydraulics Point		SAE J518		CS/SS
			21/35	1 1/4	DN32	
			21/35	1 1/2	DN40	
			21/35	2	DN50	
		Construction Agriculture Hydraulics Point Mining		SAE J1467		CS
			35	1 1/4	DN32	
			35	1 1/2	DN40	
			35	2	DN50	

TYPE	DIAGRAM	APPLICATIONS	P.max (Mpa)	CONNECTIONS	DN	MATERIAL		
		Construction Agriculture Hydraulics Point		DIN3202 F1 10-40		CS/SS		
			4	1 1/4	DN32			
			4	1 1/2	DN40			
			4	2	DN50			
				DIN3202 F1 63	DIN3202 F1 63			
			6,3	2	DN50			
				DIN3202 F1 100-160	DIN3202 F1 100-160			
			16	1 1/4	DN32			
			16	1 1/2	DN40			
			16	2	DN50			
				DIN3202 F1 250	DIN3202 F1 250			
			25	1 1/2	DN40			
			25	2	DN50			
				DIN3202 F1 315	DIN3202 F1 315			
			31,5	1 1/2	DN40			
			31,5	2	DN50			
				DIN3202 F4 10-16	DIN3202 F4 10-16			
			1,6	1 1/4	DN32			
			1,6	1 1/2	DN40			
			1,6	2	DN50			
	DIN3202 F4 25-40	DIN3202 F4 25-40						
4	1 1/4	DN32						
4	1 1/2	DN40						
4	2	DN50						

Product Range

TYPE	DIAGRAM	APPLICATIONS	P.max (Mpa)	CONNECTIONS	DN	MATERIAL
PBF-22T	2-way	Construction Agriculture Hydraulics Point		BSP-NPT-SAE-DIN		CS/SS
			37	1/2	DN13	
			37	3/4	DN20	
			37	1	DN25	
			37	1 1/4	DN32	
			37	1 1/2	DN40	
			37	2	DN50	

TYPE	DIAGRAM	APPLICATIONS	P.max (Mpa)	CONNECTIONS	DN	MATERIAL
PBF-23T	2-way	Construction Agriculture Hydraulics Point		BSP-NPT-SAE-DIN		CS/SS
			80	1/2	DN13	
			80	3/4	DN20	
			80	1	DN25	
			50	1 1/4	DN32	
			50	1 1/2	DN40	
50	2	DN50				

TYPE	DIAGRAM	APPLICATIONS	P.max (Mpa)	CONNECTIONS	DN	MATERIAL
PBF-22S	2-way	Construction Agriculture Hydraulics Point		ISO6162-1		CS/SS
			21/42	1/2	DN13	
			21/42	3/4	DN20	
			21/42	1	DN25	
			21/42	1 1/4	DN32	
			21/42	1 1/2	DN40	
			21/42	2	DN50	
			42	2 1/2	DN65	
			42	3	DN80	
			42	4	DN100	
42	5	DN125				
PBF-23S	2-way	Construction Agriculture Hydraulics Point		ISO6164		CS/SS
			25/35/40	1	DN25	
			25/35/40	1 1/4	DN32	
			25/35/40	1 1/2	DN40	
			25/35/40	2	DN50	
			25/35/40	2 1/2	DN65	
			25/35/40	3	DN80	
			25/35/40	4	DN100	
25/35/40	5	DN125				

Product Range

TYPE	DIAGRAM	APPLICATIONS	P.max (Mpa)	CONNECTIONS	DN	MATERIAL
PBF-310T	2-way	Construction Petrochemistry		BSP-NPT-SAE-SW-BW		CS/SS
			13,8-21-50	1/4	DN6	
			13,8-21-50	3/8	DN10	
			13,8-21-50	1/2	DN13	
			13,8-21-40	3/4	DN20	
			13,8-21-35	1	DN25	
			13,8-21-35	1 1/4	DN32	
			13,8-21-35	1 1/2	DN40	
			13,8-21-35	2	DN50	
			150	2 1/2	DN65	
			100	3	DN80	
50	4	DN100				
PBF-311T	2-way	Construction Petrochemistry		BSP-NPT-SAE-SW-BW		CS/SS
			42-50	1/4	DN6	
			42-50	3/8	DN10	
			42-50	1/2	DN13	
			42-40	3/4	DN20	
			42-35	1	DN25	
			42-35	1 1/4	DN32	
			42-35	1 1/2	DN40	
42-35	2	DN50				
PBF-24S	2-way	Construction Petrochemistry		ANSI B16.5		CS/SS
			2-5-10-15-25-42	1/2	DN13	
			2-5-10-15-25-42	3/4	DN20	
			2-5-10-15-25-42	1	DN25	
			2-5-10-15-25-42	1 1/4	DN32	
			2-5-10-15-25-42	1 1/2	DN40	
			2-5-10-15-25-42	2	DN50	
			2-5-10-15-25-42	2 1/2	DN65	
			2-5-10-15-25-42	3	DN80	
			2-5-10-15-25-42	4	DN100	
			2-5-10-15-25-42	5	DN125	
			2-5-10-15-25-42	6	DN150	
			2-5-10-15-25-42	8	DN200	
2-5-10-15-25-42	10	DN250				

PBF-21T 2-WAY HIGH PRESSURE BALL VALVES

Carbon Steel / Stainless steel



Specifications

- Type: ball valve PBF-21T 2way
- Body: round
- Material: 1.0737 , 1.4305
- Ball seats: from DN4 up to DN6
- O-Rings: NBR, FKM, EPDM, MVQ
- Operating pressure: 500 Bar depending on valve size and seal materials selected
- Temp range: -10°C to +100°C depending on seal material selected (-60°C to +230°C for Stainless steel)

PBF-21T G 1/4 DN6 1 1 1 1 A B

Type and way of valve _____
PBF-21T 2-way high pressure ball valves

Valves dimension of inch _____

GAS	ANSI/ASME	SAE	DIN 2353	DIN 2353
DIN/ISO 228	B1.20.1 NPT	J1926-1	HEAVY SERIES	LIGHT SERIES
G 1/8	N 1/8	SAE4	8S	6L
G 1/4	N 1/4		10S	8L

Nominal dimension _____
DN4
DN6

Body material _____
1 1.0737
3 1.4305

Adapter material _____
1 1,0737
3 1.4305

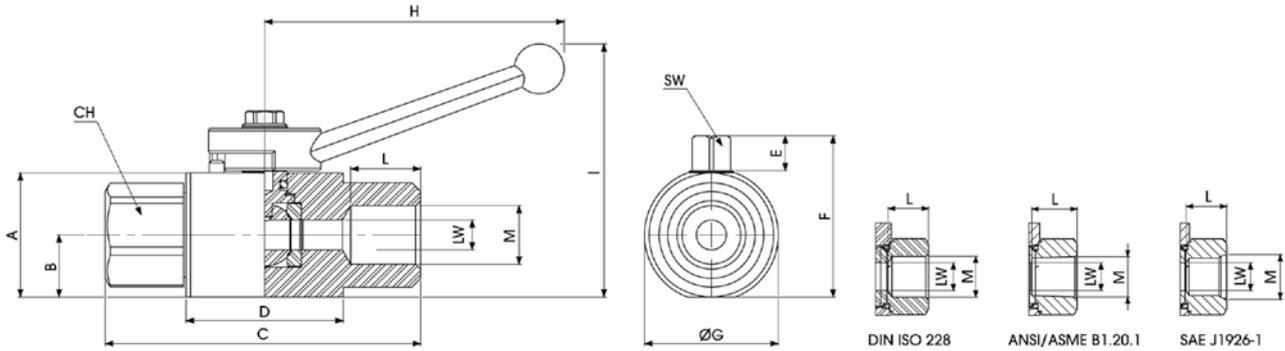
Stem material _____
1 1,0737
3 1.4305

Ball material _____
1 1,0737
3 1.4404

Ball seat material _____
A POM D PEEK G PA612 C PTFE

Adapter and stem seal material _____
B NBR E FKM F EPDM L MVQ

PBF-21T 2-WAY HIGH PRESSURE BALL VALVES



PBF-21T DIN ISO 228 BSP (Standard)

TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	L	M	CH	SW	LW	WEIGHT Kg
PBF-21T G 1/8	50 MPa	4	25	12,5	63	31,5	7	32,5	26,8	60	51	11	G 1/8	19	6	6	0,198
PBF-21T G 1/4	50 MPa	6	25	12,5	63	31,5	7	32,5	26,8	60	51	14	G 1/4	19	6	6	0,195

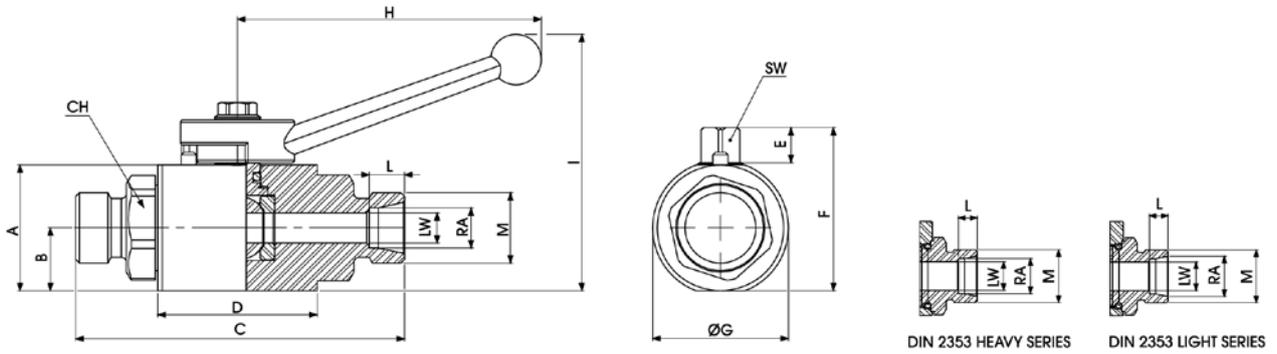
PBF-21T ANSI/ASME (B1.20.1 NPT)

TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	L	M	CH	SW	LW	WEIGHT Kg
PBF-21T N 1/8	50 MPa	4	25	12,5	63	31,5	7	32,5	26,8	60	51	11	N 1/8	19	6	6	0,198
PBF-21T N 1/4	50 MPa	6	25	12,5	63	31,5	7	32,5	26,8	60	51	14	N 1/4	19	6	6	0,195

PBF-21T SAE J1926-1 (Standard)

TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	L	M	CH	SW	LW	WEIGHT Kg
PBF-21T SAE4	50 MPa	6	25	12,5	63	31,5	7	32,5	26,8	60	51	14	UNF 7/16 - 20	19	6	6	0,195

PBF-21T 2-WAY HIGH PRESSURE BALL VALVES



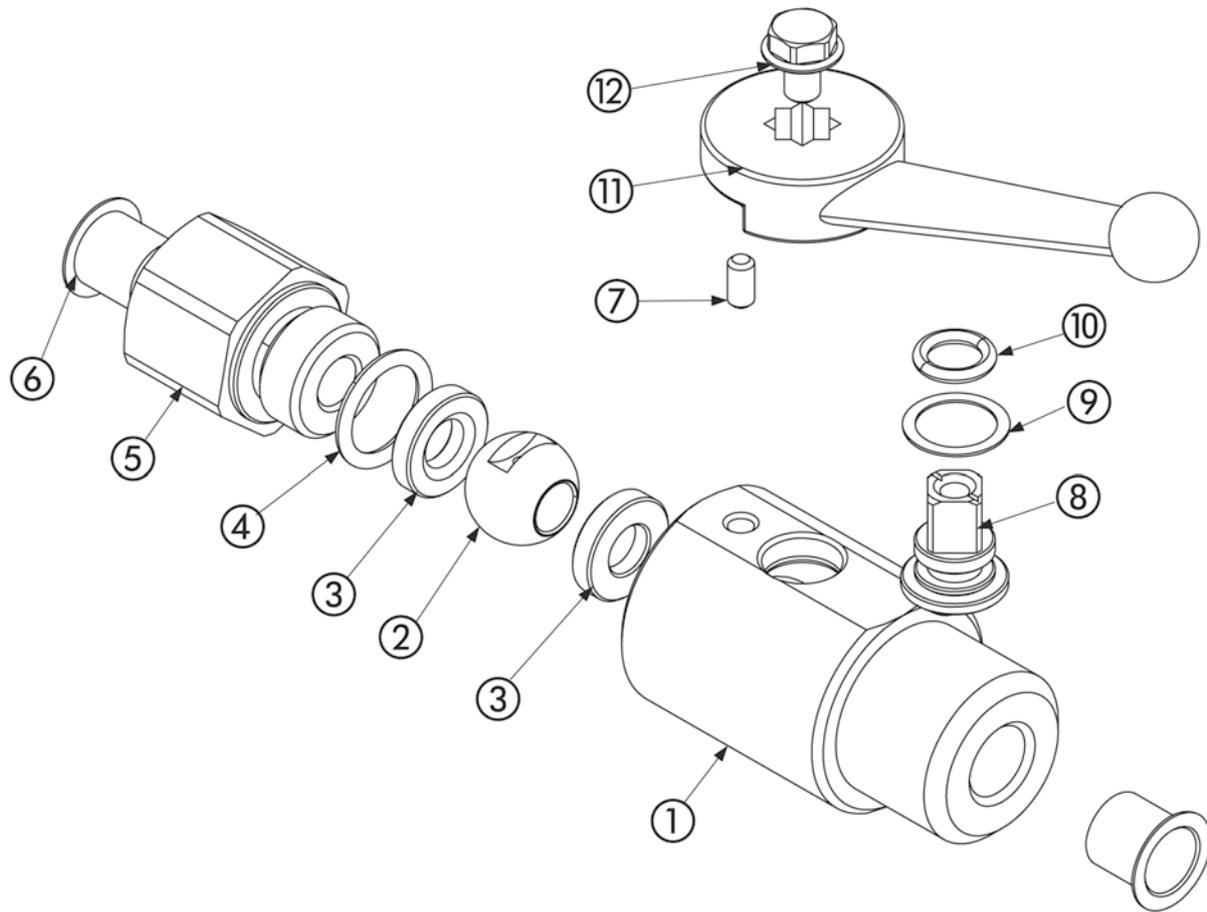
PBF-21T DIN 2353 HEAVY SERIES (Standard)

TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	L	M	CH	SW	LW	RA	WEIGHT Kg
PBF-21T 8S	50 MPa	6	25	12,5	65	31,5	7	32,5	26,8	60	51	7	16X1.5	19	6	6	8	0,195
PBF-21T 10S	50 MPa	6	25	12,5	65	31,5	7	32,5	26,8	60	51	7	18X1.5	19	6	6	10	0,195

PBF-21T DIN 2353 LIGHT SERIES (Standard)

TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	L	M	CH	SW	LW	RA	WEIGHT Kg
PBF-21T 6L	50 MPa	6	25	12,5	65	31,5	7	32,5	26,8	60	51	7	M12X1.5	19	6	6	6	0,185
PBF-21T 8L	50 MPa	6	25	12,5	65	31,5	7	32,5	26,8	60	51	7	M14X1.5	19	6	6	8	0,185

PBF-21T 2-WAY HIGH PRESSURE BALL VALVES



Pos	Description	Material		Q.ta
		C.S.	S.S.	
1	Body	1,0737	1,4305	1
2	Ball	1,0737	1,4305	1
3	Ball seat	POM	POM	2
4	Adapter o-ring	NBR	NBR	2
5	Adapter	1,0737	1,4305	1
6	Caps	PVC	PVC	2
7	Spine	1,0737	1,4301	1
8	Stem	1,0737	1,4305	1
9	Stem ring	POM	POM	1
10	Stem o-ring	NBR	NBR	1
11	Handle	ZINC	ZINC	1
12	Screw	DIN 6921 8.8	DIN 6921 A2	1

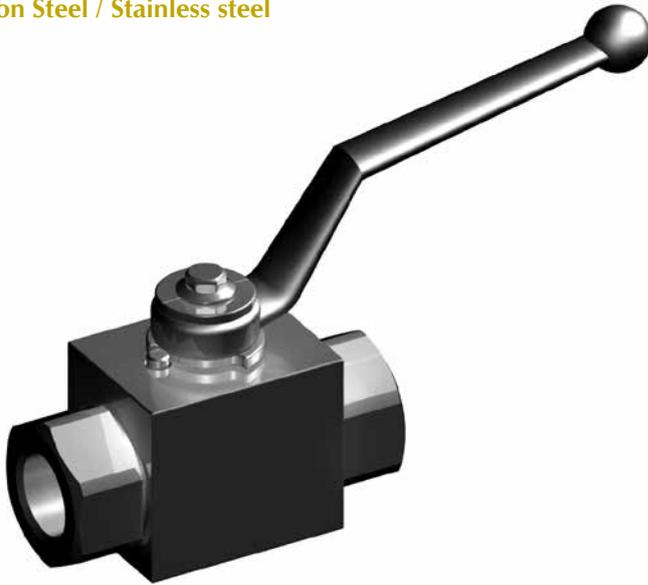
On request

- Reduced bore
- O-Ring in EPDM, FFKM, MQV
- Seals in PEEK, PA 612, RPTFE, PTFE
- Special Threads
- Pressure Class PN 100 to PN 500
- Locking device

• For further special requests please consult our technical/commercial service

PBF-31T 2-WAY HIGH PRESSURE BALL VALVES

Carbon Steel / Stainless steel



Specifications

- Type: ball valve PBF-31T 2way
- Body: block
- Material: 1.0737 , 1.4404
- Ball seats: from DN4 up to DN25
- O-Rings: NBR, FKM, EPDM, MVQ
- Operating pressure: 500 Bar depending on valve size and seal materials selected
- Temp range: -10°C to +100°C depending on seal material selected (-60°C to +230°C for Stainless steel)

PBF-31T G 1/2 DN13 1 1 1 1 A B

Type and way of valve
PBF-31T 2-way high pressure ball valves

Valves dimension of inch

GAS DIN/ISO	ANSI/ASME	SAE	DIN 2353	DIN 2353
228	B1.20.1 NPT	J1926-1	HEAVY SERIES	LIGHT SERIES
G 1/8	N 1/8	SAE4	8S	6L
G 1/4	N 1/4	SAE6	10S	8L
G 3/8	N 3/8	SAE8	12S	10L
G 1/2	N 1/2	SAE12	14S	12L
G 3/4	N 3/4	SAE16	16S	15L
G 1"	N 1"	SAE20R	20S	18L
G 1 1/4 R	N 1 1/4 R	SAE24R	25S	22L
G 1 1/2 R	N 1 1/2 R		30S	28L
			38S	35L
				42L

Nominal dimension
DN4 DN6 DN10 DN13 DN20 DN25

Body material
1 1.0737 4 1.4404

Adapter material
1 1,0737 4 1.4404

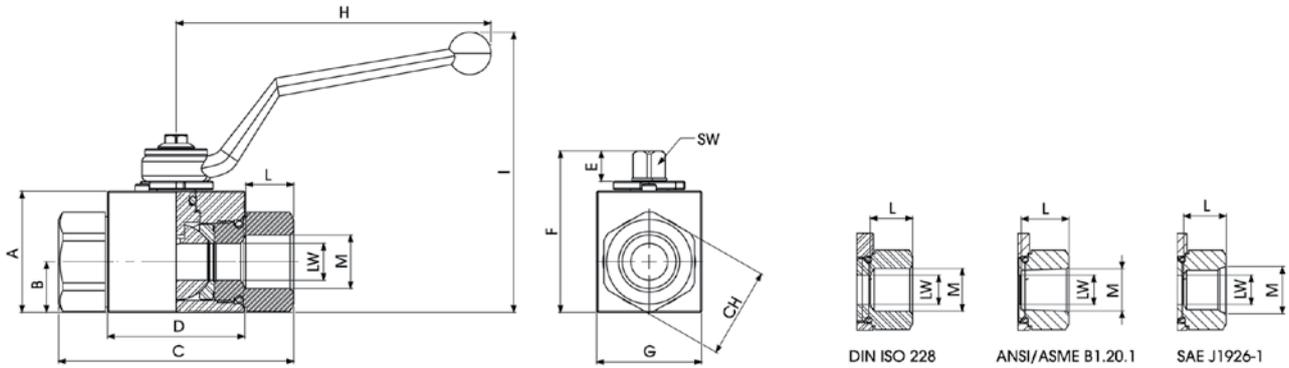
Stem material
1 1,0737 4 1.4404

Ball material
1 1,0737 4 1.4404

Ball seat material
A POM D PEEK G PA612 K PTFE C PTFE

Adapter and stem seal material
B NBR E FKM F EPDM L MVQ

PBF-31T 2-WAY HIGH PRESSURE BALL VALVES



PBF-31T DIN ISO 228 BSP (Standard)

TYPE	PN	DN	A	B	C	D	E	F	G	H	I	L	M	CH	SW	LW	WEIGHT Kg
PBF-31T G 1/8	50 MPa	4	35	14,5	71	42,4	11	49	30	110	91,5	11	G 1/8	24	9	4	0,512
PBF-31T G 1/4	50 MPa	6	35	14,5	71	42,4	11	49	30	110	91,5	15,5	G 1/4	24	9	6	0,497
PBF-31T G 3/8	50 MPa	10	40	17,4	73	44,4	11	54,25	35	110	96,5	15,5	G 3/8	30	9	10	0,652
PBF-31T G 1/2	50 MPa	13	43	18	83	48,4	11	57	37	110	99,5	17	G 1/2	32	9	13	0,77
PBF-31T G 3/4	40 MPa	20	55	23,4	95	62,5	14	73,5	45	180	106,5	21	G 3/4	41	14	20	1,46
PBF-31T G 1"	35 MPa	25	65	29,5	112	66,5	14	83,5	55	180	116,5	24	G 1"	50	14	25	2,23
PBF-31T G1" 1/4 R	35 MPa	25	65	29,5	120	66,5	14	83,5	55	180	116,5	24	G 1"1/4	55	14	25	2,299
PBF-31T G 1" 1/2 R	35 MPa	25	65	29,5	124	66,5	14	83,5	55	180	116,5	24	G 1"1/2	60	14	25	2,413

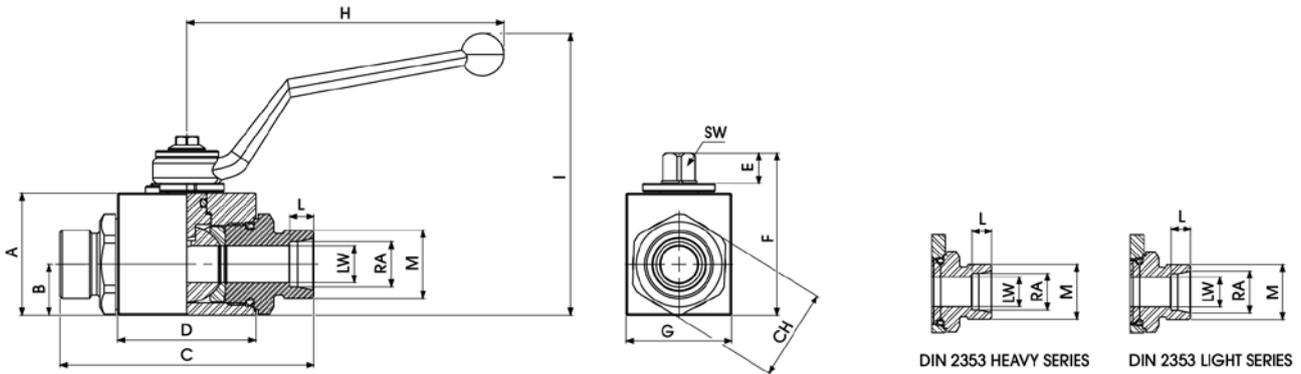
PBF-31T ANSI/ASME B1.20.1 NPT (Standard)

TYPE	PN	DN	A	B	C	D	E	F	G	H	I	L	M	CH	SW	LW	WEIGHT Kg
PBF-31T N 1/8	50 MPa	4	35	14,5	71	42,4	11	49	30	110	91,5	11	N 1/8	24	9	4	0,512
PBF-31T N 1/4	50 MPa	6	35	14,5	71	42,4	11	49	30	110	91,5	17	N 1/4	24	9	6	0,5
PBF-31T N 3/8	50 MPa	10	40	17,4	73	44,4	11	54,25	35	110	96,5	17	N 3/8	30	9	10	0,655
PBF-31T N 1/2	50 MPa	13	43	18	83	48,4	11	57	37	110	99,5	21	N 1/2	32	9	13	0,771
PBF-31T N 3/4	40 MPa	20	55	23,4	95	62,5	14	73,5	45	180	106,5	21	N 3/4	41	14	20	1,478
PBF-31T N 1"	35 MPa	25	65	29,5	112	66,5	14	83,5	55	180	116,5	24	N 1"	50	14	25	2,279
PBF-31T N 1" 1/2 R	35 MPa	25	65	29,5	124	66,5	14	83,5	55	180	116,5	24	N 1"1/2	60	14	25	2,482

PBF-31T SAE J1926-1 (Standard)

TYPE	PN	DN	A	B	C	D	E	F	G	H	I	L	M	CH	SW	LW	WEIGHT Kg
PBF-31T SAE4	50 MPa	6	35	14,5	71	42,4	11	49	30	110	91,5	15,5	7/16 UNF	24	9	6	0,504
PBF-31T SAE6	50 MPa	10	40	17,4	73	44,4	11	54,25	35	110	96,5	16	9/16 UNF	30	9	10	0,663
PBF-31T SAE8	50 MPa	13	43	18	83	48,4	11	57	37	110	99,5	17,5	3/4 UNF	32	9	13	0,779
PBF-31T SAE12	40 MPa	20	55	23,4	95	62,5	14	73,5	45	180	106,5	23	1"1/16 UN	41	14	20	1,441
PBF-31T	35 MPa	25	65	29,5	112	66,5	14	83,5	55	180	116,5	23	1"5/16 UN	50	14	25	2,335
PBF-31T	35 MPa	25	65	29,5	124	66,5	14	83,5	55	180	116,5	23	1"7/8 UN	60	14	25	2,399

PBF-31T 2-WAY HIGH PRESSURE BALL VALVES



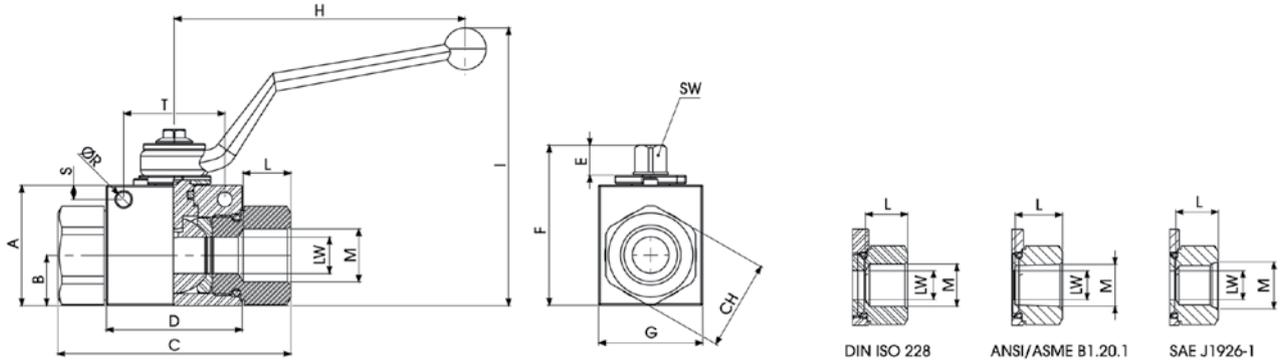
PBF-31T DIN 2353 HEAVY SERIES (Standard)

TYPE	PN	DN	A	B	C	D	E	F	G	H	I	L	M	CH	LW	SW	RA	WEIGHT Kg
PBF-31T2 8S	50 MPa	4	35	14,5	76	42,4	11	49	30	110	91,5	7	16X1,5	24	4	9	8	0,501
PBF-31T 10S	50 MPa	6	35	14,5	76	42,4	11	49	30	110	91,5	7,5	18X1,5	24	6	9	10	0,501
PBF-31T 12S	50 MPa	8	35	14,5	76	42,4	11	49	30	110	91,5	7,5	20X1,5	24	8	9	12	0,501
PBF-31T 12S	50 MPa	10	40	17,4	76	44,4	11	54,25	35	110	96,5	7,5	20X1,5	30	10	9	12	0,599
PBF-31T 14S	50 MPa	10	40	17,4	82,5	44,4	11	54,25	35	110	96,5	8	22X1,5	30	10	9	14	0,629
PBF-31T 16S	50 MPa	13	43	18	89	48,4	11	57	37	110	99,5	8,5	24X1,5	32	13	9	16	0,67
PBF-31T 20S	50 MPa	13	43	18	93	48,4	11	57	37	110	99,5	10,5	30X2	32	13	9	20	0,786
PBF-31T 25S	40 MPa	20	55	23,4	111	62,5	14	73,5	45	180	106,5	12	36X2	41	20	14	25	1,485
PBF-31T 30S	35 MPa	25	65	29,5	121	66,5	14	83,5	55	180	116,5	13	42X2	50	25	14	30	2,145
PBF-31T 38S	35 MPa	25	65	29,5	131	66,5	14	83,5	55	180	116,5	16	52X2	55	25	14	38	2,373

PBF-31T DIN 2353 LIGHT SERIES (Standard)

TYPE	PN	DN	A	B	C	D	E	F	G	H	I	L	M	CH	LW	SW	RA	WEIGHT Kg
PBF-31T 6L	50 MPa	6	35	14,5	76	42,4	11	49	30	110	91,5	7	12X1,5	24	6	9	6	0,475
PBF-31T 8L	50 MPa	6	35	14,5	76	42,4	11	49	30	110	91,5	7	14X1,5	24	6	9	8	0,477
PBF-31T 10L	50 MPa	6	35	14,5	76	42,4	11	49	30	110	91,5	7	16X1,5	24	6	9	10	0,475
PBF-31T 10L	50 MPa	10	40	17,4	76,5	44,4	11	54,25	35	110	96,5	7	16X1,5	30	10	9	10	0,597
PBF-31T 12L	50 MPa	10	40	17,4	79,5	44,4	11	54,25	35	110	96,5	7	18X1,5	30	10	9	12	0,616
PBF-31T 15L	50 MPa	13	43	18	87	48,4	11	57	37	110	99,5	7	22X1,5	32	13	9	15	0,731
PBF-31T 18L	50 MPa	13	43	18	87	48,4	11	57	37	110	99,5	7,5	26X1,5	32	13	9	18	0,748
PBF-31T 22L	40 MPa	20	55	23,4	110	62,5	14	73,5	45	180	106,5	7,5	30X2	41	20	14	22	1,463
PBF-31T 28L	35 MPa	25	65	29,5	117	66,5	14	83,5	55	180	116,5	7,5	36X2	50	25	14	28	2,131
PBF-31T 35L	35 MPa	25	65	29,5	119	66,5	14	83,5	55	180	116,5	10,5	45X2	50	25	14	35	2,163
PBF-31T 42L	35 MPa	25	65	29,5	119	66,5	14	83,5	55	180	116,5	11	52X2	55	25	14	42	2,256

PBF-31T 2-WAY HIGH PRESSURE BALL VALVES



PBF-31T DIN ISO 228 BSP (Fixing holes)

TYPE	PN	DN	A	B	C	D	E	F	G	H	I	L	M	CH	ØR	S	T	SW	LW	WEIGHT Kg
PBF-31T G 1/8	50 Mpa	4	35	14,5	71	42,4	11	49	30	110	91,5	11	G 1/8	24	5,25	4,5	34	9	4	0,505
PBF-31T G 1/4	50 Mpa	6	35	14,5	71	42,4	11	49	30	110	91,5	15,5	G 1/4	24	5,25	4,5	34	9	6	0,49
PBF-31T G 3/8	50 Mpa	10	40	17,4	73	44,4	11	54,25	35	110	96,5	15,5	G 3/8	30	5,25	4,5	34	9	10	0,644
PBF-31T G 1/2	50 Mpa	13	43	18	83	48,4	11	57	37	110	99,5	17	G 1/2	32	5,25	5	36	9	13	0,757
PBF-31T G 3/4	40 Mpa	20	55	23,4	95	62,5	14	73,5	45	180	106,5	21	G 3/4	41	6,25	6	50	14	20	1,438
PBF-31T G 1"	35 Mpa	25	65	29,5	112	66,5	14	83,5	55	180	116,5	24	G 1"	50	6,25	6	50	14	25	2,223
PBF-31T G1" 1/4 R	35 Mpa	25	65	29,5	120	66,5	14	83,5	55	180	116,5	24	G 1" 1/4	55	6,25	6	50	14	25	2,273
PBF-31T G 1" 1/2 R	35 Mpa	25	65	29,5	124	66,5	14	83,5	55	180	116,5	24	G 1" 1/2	60	6,25	6	50	14	25	2,386

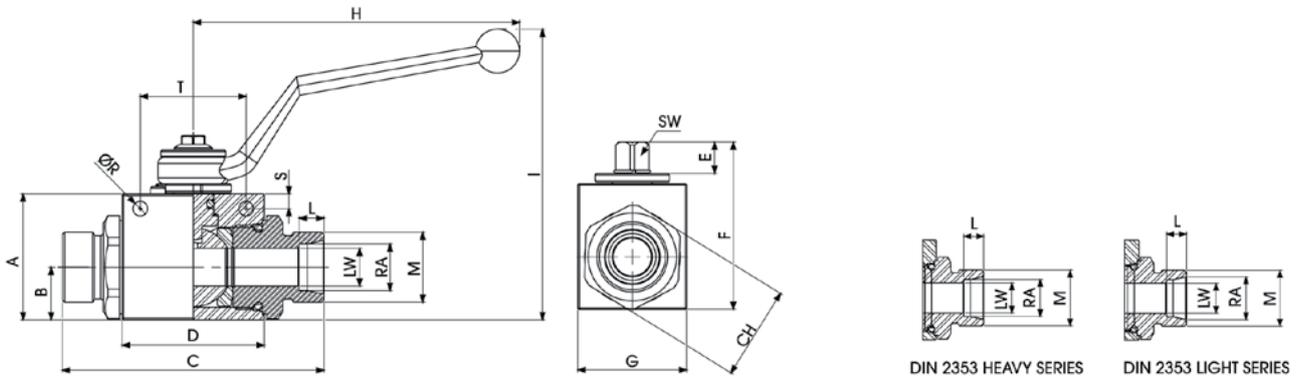
PBF-31T ANSI/ASME B1.20.1 NPT (Fixing holes)

TYPE	PN	DN	A	B	C	D	E	F	G	H	I	L	M	CH	ØR	S	T	SW	LW	WEIGHT Kg
PBF-31T N 1/8	50 Mpa	4	35	14,5	71	42,4	11	49	30	110	91,5	11	N 1/8	24	5,25	4,5	34	9	4	0,505
PBF-31T N 1/4	50 Mpa	6	35	14,5	71	42,4	11	49	30	110	91,5	17	N 1/4	24	5,25	4,5	34	9	6	0,49
PBF-31T N 3/8	50 Mpa	10	40	17,4	73	44,4	11	54,25	35	110	96,5	17	N 3/8	30	5,25	4,5	34	9	10	0,644
PBF-31T N 1/2	50 Mpa	13	43	18	83	48,4	11	57	37	110	99,5	21	N 1/2	32	5,25	5	36	9	13	0,757
PBF-31T N 3/4	40 Mpa	20	55	23,4	95	62,5	14	73,5	45	180	106,5	21	N 3/4	41	6,25	6	50	14	20	1,438
PBF-31T N 1"	35 Mpa	25	65	29,5	112	66,5	14	83,5	55	180	116,5	24	N 1"	50	6,25	6	50	14	25	2,223
PBF-31T N 1" 1/4 R	35 Mpa	25	65	29,5	120	66,5	14	83,5	55	180	116,5	24	N 1" 1/4	55	6,25	6	50	14	25	2,273
PBF-31T N 1" 1/2 R	35 Mpa	25	65	29,5	124	66,5	14	83,5	55	180	116,5	24	N 1" 1/2	60	6,25	6	50	14	25	2,386

PBF-31T SAE J1926-1 (Fixing holes)

TYPE	PN	DN	A	B	C	D	E	F	G	H	I	L	M	CH	ØR	S	T	SW	LW	WEIGHT Kg
PBF-31T SAE4	50 MPa	6	35	14,5	71	42,4	11	49	30	110	91,5	15,5	7/16 UNF	24	5,25	4,5	34	9	6	0,49
PBF-31T SAE6	50 MPa	10	40	17,4	73	44,4	11	54,25	35	110	96,5	16	9/16 UNF	30	5,25	4,5	34	9	10	0,644
PBF-31T SAE8	50 MPa	13	43	18	83	48,4	11	57	37	110	99,5	17,5	3/4 UNF	32	5,25	5	36	9	13	0,757
PBF-31T SAE12	40 MPa	20	55	23,4	95	62,5	14	73,5	45	180	106,5	23	1" 1/16 UN	41	6,25	6	50	14	20	1,438
PBF-31T SAE16	35 MPa	25	65	29,5	112	66,5	14	83,5	55	180	116,5	23	1" 5/16 UN	50	6,25	6	50	14	25	2,223
PBF-31T SAE24R	35 MPa	25	65	29,5	124	66,5	14	83,5	55	180	116,5	23	1" 7/8 UN	60	6,25	6	50	14	25	2,386

PBF-31T 2-WAY HIGH PRESSURE BALL VALVES



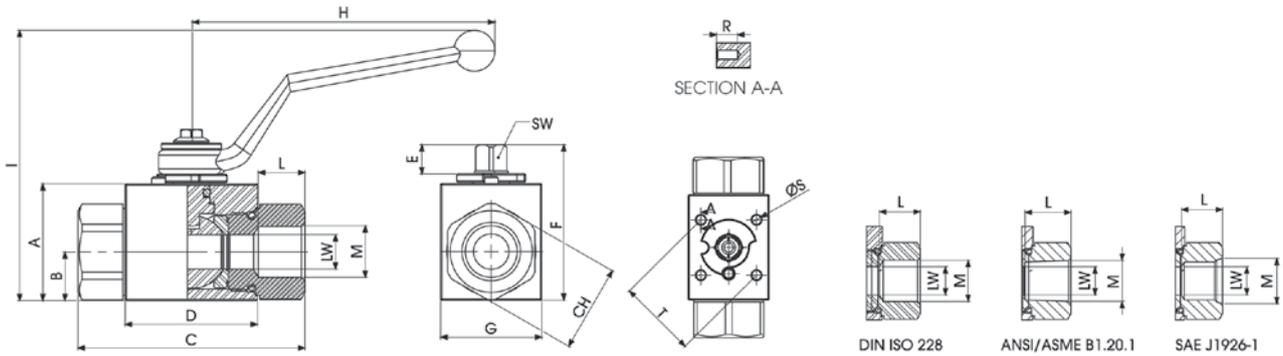
PBF-31T DIN 2353 HEAVY SERIES (Fixing holes)

TYPE	PN	DN	A	B	C	D	E	F	G	H	I	L	M	CH	ØR	S	T	LW	SW	RA	WEIGHT Kg
PBF-31T 8S	50 Mpa	4	35	14,5	76	42,4	11	49	30	110	91,5	7	16X1,5	24	4,25	4	34	4	9	8	0,405
PBF-31T 10S	50 Mpa	6	35	14,5	76	42,4	11	49	30	110	91,5	7,5	18X1,5	24	4,25	4	34	6	9	10	0,47
PBF-31T 12S	50 Mpa	8	35	14,5	76	42,4	11	49	30	110	91,5	7,5	20X1,5	24	4,25	4	34	8	9	12	0,468
PBF-31T 12S	50 Mpa	10	40	17,4	76	44,4	11	54,25	35	110	96,5	7,5	20X1,5	30	4,25	4	34	10	9	12	0,589
PBF-31T 14S	50 Mpa	10	40	17,4	83,5	44,4	11	54,25	35	110	96,5	8	22X1,5	30	4,25	4	34	10	9	14	0,608
PBF-31T 16S	50 Mpa	13	43	18	89	48,4	11	57	37	110	99,5	8,5	24X1,5	32	5,25	5	36	13	9	16	0,72
PBF-31T 20S	50 Mpa	13	43	18	93	48,4	11	57	37	110	99,5	10,5	30X2	32	5,25	5	36	13	9	20	0,737
PBF-31T 25S	40 Mpa	20	55	23,4	111	62,5	14	73,5	45	180	106,5	12	36X2	41	6,25	6	50	20	14	25	1,463
PBF-31T 30S	35 Mpa	25	65	29,5	121	66,5	14	83,5	55	180	116,5	13	42X2	50	6,25	6	50	25	14	30	2,111
PBF-31T 38S	35 Mpa	25	65	29,5	131	66,5	14	83,5	55	180	116,5	16	52X2	55	6,25	6	50	25	14	38	2,143

PBF-31T DIN 2353 LIGHT SERIES (Fixing holes)

TYPE	PN	DN	A	B	C	D	E	F	G	H	I	L	M	CH	ØR	S	T	LW	SW	RA	WEIGHT Kg
PBF-31T 6L	50 Mpa	6	35	14,5	76	42,4	11	49	30	110	91,5	7	12X1,5	24	5,25	4,5	34	6	9	6	0,405
PBF-31T 8L	50 Mpa	6	35	14,5	76	42,4	11	49	30	110	91,5	7	14X1,5	24	5,25	4,5	34	6	9	8	0,47
PBF-31T 10L	50 Mpa	6	35	14,5	76	42,4	11	49	30	110	91,5	7	16X1,5	24	5,25	4,5	34	6	9	10	0,468
PBF-31T 10L	50 Mpa	10	40	17,4	76	44,4	11	54,25	35	110	96,5	7	16X1,5	30	5,25	4,5	34	10	9	10	0,589
PBF-31T 12L	50 Mpa	10	40	17,4	77	44,4	11	54,25	35	110	96,5	7	18X1,5	30	5,25	4,5	34	10	9	12	0,608
PBF-31T 15L	50 Mpa	13	43	18	87	48,4	11	57	37	110	99,5	7	22X1,5	32	5,25	5	36	13	9	15	0,72
PBF-31T 18L	50 Mpa	13	43	18	87	48,4	11	57	37	110	99,5	7,5	26X1,5	32	5,25	5	36	13	9	18	0,737
PBF-31T 22L	40 Mpa	20	55	23,4	110	62,5	14	73,5	45	180	106,5	7,5	30X2	41	6,25	6	50	20	14	22	1,463
PBF-31T 28L	35 Mpa	25	65	29,5	117	66,5	14	83,5	55	180	116,5	7,5	36X2	50	6,25	6	50	25	14	28	2,111
PBF-31T 35L	35 Mpa	25	65	29,5	119	66,5	14	83,5	55	180	116,5	10,5	45X2	50	6,25	6	50	25	14	35	2,143
PBF-31T 42L	35 Mpa	25	65	29,5	119	66,5	14	83,5	55	180	116,5	11	52X2	55	6,25	6	50	25	14	42	2,236

PBF-31T 2-WAY HIGH PRESSURE BALL VALVES



PBF-31T DIN ISO 228 BSP (Fixing holes DIN/ISO5211)

TYPE	PN	DN	A	B	C	D	E	F	G	H	I	L	M	CH	R	ØS	T	ISO 5211	SW	LW	WEIGHT Kg
PBF-31T G 1/8	50 Mpa	4	35	14,5	71	42,4	11	49	30	110	91,5	11	G 1/8	24	9	M4	35	F03	9	4	0,505
PBF-31T G 1/4	50 Mpa	6	35	14,5	71	42,4	11	49	30	110	91,5	15,5	G 1/4	24	9	M4	35	F03	9	6	0,49
PBF-31T G 3/8	50 Mpa	10	40	17,4	73	44,4	11	54,25	35	110	96,5	15,5	G 3/8	30	9	M5	36	F03	9	10	0,644
PBF-31T G 1/2	50 Mpa	13	43	18	83	48,4	11	57	37	110	99,5	17	G 1/2	32	9	M5	36	F03	9	13	0,757
PBF-31T G 3/4	40 Mpa	20	55	23,4	95	62,5	14	73,5	45	180	106,5	21	G 3/4	41	15	M6	50	F05	14	20	1,438
PBF-31T G 1"	35 Mpa	25	65	29,5	112	66,5	14	83,5	55	180	116,5	24	G 1"	50	15	M6	50	F05	14	25	2,223
PBF-31T G1" 1/4 R	35 Mpa	25	65	29,5	120	66,5	14	83,5	55	180	116,5	24	G 1"1/4	55	15	M6	50	F05	14	25	2,273
PBF-31T G 1" 1/2 R	35 Mpa	25	65	29,5	124	66,5	14	83,5	55	180	116,5	24	G 1"1/2	60	15	M6	50	F05	14	25	2,386

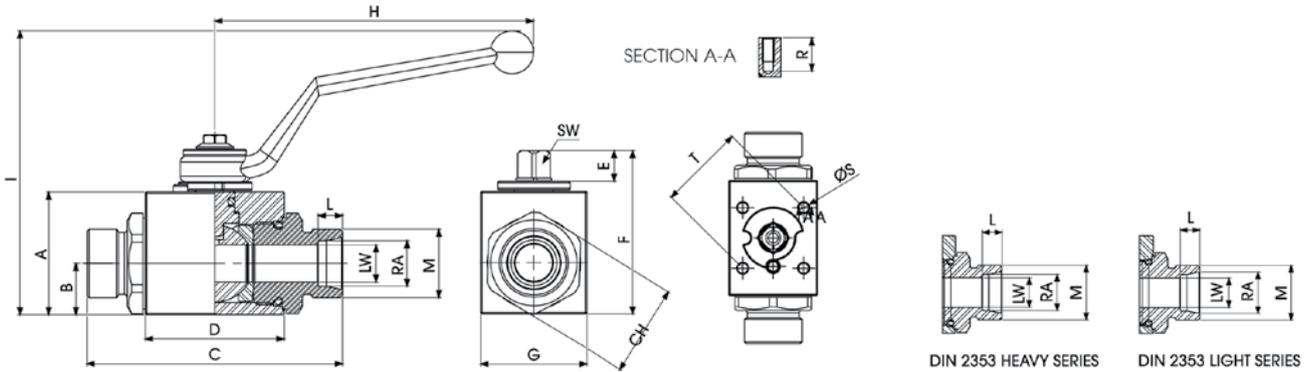
PBF-31T ANSI/ASME B1.20.1 NPT (Fixing holes DIN/ISO5211)

TYPE	PN	DN	A	B	C	D	E	F	G	H	I	L	M	CH	R	ØS	T	ISO 5211	SW	LW	WEIGHT Kg
PBF-31T N 1/8	50 Mpa	4	35	14,5	71	42,4	11	49	30	110	91,5	11	N 1/8	24	9	M4	35	F03	9	4	0,505
PBF-31T N 1/4	50 Mpa	6	35	14,5	71	42,4	11	49	30	110	91,5	17	N 1/4	24	9	M4	35	F03	9	6	0,49
PBF-31T N 3/8	50 Mpa	10	40	17,4	73	44,4	11	54,25	35	110	96,5	17	N 3/8	30	9	M5	36	F03	9	10	0,644
PBF-31T N 1/2	50 Mpa	13	43	18	83	48,4	11	57	37	110	99,5	21	N 1/2	32	9	M5	36	F03	9	13	0,757
PBF-31T N 3/4	40 Mpa	20	55	23,4	95	62,5	14	73,5	45	180	106,5	21	N 3/4	41	15	M6	50	F05	14	20	1,438
PBF-31T N 1"	35 Mpa	25	65	29,5	112	66,5	14	83,5	55	180	116,5	24	N 1"	50	15	M6	50	F05	14	25	2,223
PBF-31T N 1" 1/4 R	35 Mpa	25	65	29,5	120	66,5	14	83,5	55	180	116,5	24	N 1"1/4	55	15	M6	50	F05	14	25	2,273
PBF-31T N 1" 1/2 R	35 Mpa	25	65	29,5	124	66,5	14	83,5	55	180	116,5	24	N 1"1/2	60	15	M6	50	F05	14	25	2,386

PBF-31T SAE J1926-1 (Fixing holes DIN/ISO5211)

TYPE	PN	DN	A	B	C	D	E	F	G	H	I	L	M	CH	R	ØS	T	ISO 5211	SW	LW	WEIGHT Kg
PBF-31T SAE4	50 Mpa	6	35	14,5	71	42,4	11	49	30	110	91,5	15,5	7/16 UNF	24	9	M4	35	F03	9	6	0,49
PBF-31T SAE6	50 Mpa	10	40	17,4	73	44,4	11	54,25	35	110	96,5	16	9/16 UNF	30	9	M5	36	F03	9	10	0,644
PBF-31T SAE8	50 Mpa	13	43	18	83	48,4	11	57	37	110	99,5	17,5	3/4 UNF	32	9	M5	36	F03	9	13	0,757
PBF-31T SAE12	40 Mpa	20	55	23,4	95	62,5	14	73,5	45	180	106,5	23	1"1/16 UN	41	15	M6	50	F05	14	20	1,438
PBF-31T SAE16	35 Mpa	25	65	29,5	112	66,5	14	83,5	55	180	116,5	23	1"5/16 UN	50	15	M6	50	F05	14	25	2,223
PBF-31T SAE20R	35 Mpa	25	65	29,5	120	66,5	14	83,5	55	180	116,5	23	1"5/8 UN	55	15	M6	50	F05	14	25	2,273

PBF-31T 2-WAY HIGH PRESSURE BALL VALVES



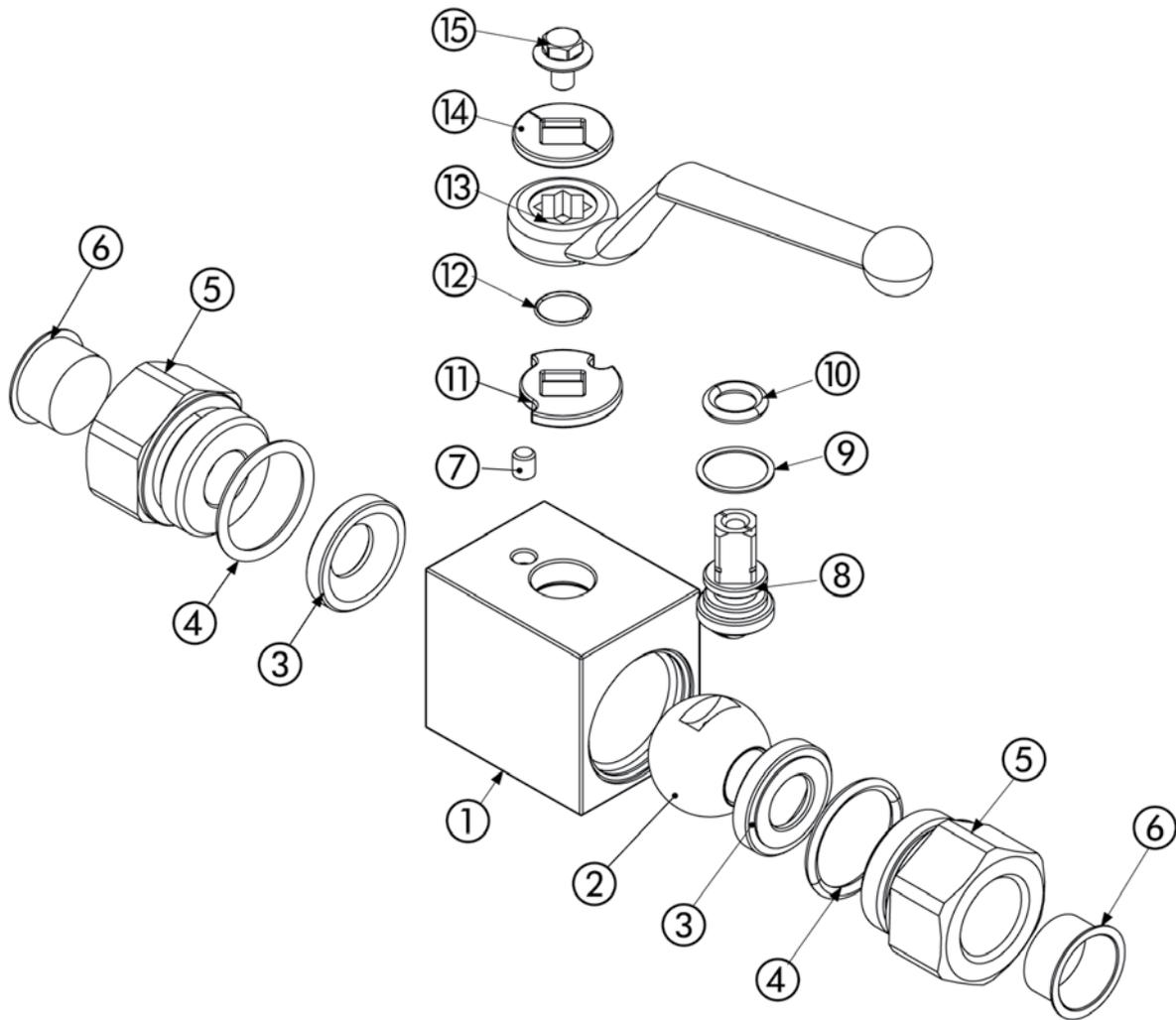
PBF-31T DIN 2353 HEAVY SERIES (Fixing holes DIN/ISO5211)

TYPE	PN	DN	A	B	C	D	E	F	G	H	I	L	M	CH	R	ØS	T	ISO 5211	SW	LW	RA	WEIGHT Kg
PBF-31T 8S	50 Mpa	4	35	14,5	76	42,4	11	49	30	110	91,5	7	16X1,5	24	9	M4	35	F03	4	9	8	0,405
PBF-31T 10S	50 Mpa	6	35	14,5	76	42,4	11	49	30	110	91,5	7,5	18X1,5	24	9	M4	35	F03	6	9	10	0,47
PBF-31T 12S	50 Mpa	8	35	14,5	76	42,4	11	49	30	110	91,5	7,5	20X1,5	24	9	M4	35	F03	8	9	12	0,468
PBF-31T 12S	50 Mpa	10	40	17,4	76	44,4	11	54,25	35	110	96,5	7,5	20X1,5	30	9	M5	36	F03	10	9	12	0,589
PBF-31T 14S	50 Mpa	10	40	17,4	83	44,4	11	54,25	35	110	96,5	8	22X1,5	30	9	M5	36	F03	10	9	14	0,608
PBF-31T 16S	50 Mpa	13	43	18	89	48,4	11	57	37	110	99,5	8,5	24X1,5	32	9	M5	36	F03	13	9	16	0,72
PBF-31T 20S	50 Mpa	13	43	18	93	48,4	11	57	37	110	99,5	10,5	30X2	32	9	M5	36	F03	13	9	20	0,737
PBF-31T 25S	40 Mpa	20	55	23,4	111	62,5	14	73,5	45	180	106,5	12	36X2	41	15	M6	50	F05	20	14	25	1,463
PBF-31T 30S	35 Mpa	25	65	29,5	121	66,5	14	83,5	55	180	116,5	13	42X2	50	15	M6	50	F05	25	14	30	2,111
PBF-31T 38S	35 Mpa	25	65	29,5	131	66,5	14	83,5	55	180	116,5	16	52X2	55	15	M6	50	F05	25	14	38	2,143

PBF-31T DIN 2353 LIGHT SERIES (Fixing holes DIN/ISO5211)

TYPE	PN	DN	A	B	C	D	E	F	G	H	I	L	M	CH	R	ØS	T	ISO 5211	SW	LW	RA	WEIGHT Kg
PBF-31T 6L	50 Mpa	6	35	14,5	76	42,4	11	49	30	110	91,5	7	12X1,5	24	9	M4	35	F03	6	9	6	0,405
PBF-31T 8L	50 Mpa	6	35	14,5	76	42,4	11	49	30	110	91,5	7	14X1,5	24	9	M4	35	F03	6	9	8	0,47
PBF-31T 10L	50 Mpa	6	35	14,5	76	42,4	11	49	30	110	91,5	7	16X1,5	24	9	M4	35	F03	6	9	10	0,468
PBF-31T 10L	50 Mpa	10	40	17,4	77	44,4	11	54,25	35	110	96,5	7	16X1,5	30	9	M5	36	F03	10	9	10	0,589
PBF-31T 12L	50 Mpa	10	40	17,4	80	44,4	11	54,25	35	110	96,5	7	18X1,5	30	9	M5	36	F03	10	9	12	0,608
PBF-31T 15L	50 Mpa	13	43	18	87	48,4	11	57	37	110	99,5	7	22X1,5	32	9	M5	36	F03	13	9	15	0,72
PBF-31T 18L	50 Mpa	13	43	18	87	48,4	11	57	37	110	99,5	12	26X1,5	32	9	M5	36	F03	13	9	18	0,737
PBF-31T 22L	40 Mpa	20	55	23,4	110	62,5	14	73,5	45	180	106,5	14	30X2	41	15	M6	50	F05	20	14	22	1,463
PBF-31T 28L	35 Mpa	25	65	29,5	117	66,5	14	83,5	55	180	116,5	14	36X2	50	15	M6	50	F05	25	14	28	2,111
PBF-31T 35L	35 Mpa	25	65	29,5	119	66,5	14	83,5	55	180	116,5	16	45X2	50	15	M6	50	F05	25	14	35	2,143
PBF-31T 42L	35 Mpa	25	65	29,5	119	66,5	14	83,5	55	180	116,5	16	52X2	55	15	M6	50	F05	25	14	42	2,236

PBF-31T 2-WAY HIGH PRESSURE BALL VALVES



Pos	Description	Material		Q.ta
		C.S.	S.S.	
1	Body	1,0737	1,4404	1
2	Ball	1,0737	1,4404	1
3	Ball seat	POM	POM	2
4	Adapter o-ring	NBR	NBR	2
5	Adapter	1,0737	1,4404	2
6	Caps	PVC	PVC	2
7	Spine	1,0737	1,4301	1
8	Stem	1,0737	1,4404	1
9	Stem ring	POM	POM	1
10	Stem o-ring	NBR	NBR	1
11	Washer	1,0116	1,4301	1
12	Seeger	1,4301	1,4301	1
13	Handle	ZINC	ZINC	1
14	Washer	1,0116	1,4301	1
15	Screw	DIN 6921 8.8	DIN 6921 A2	1

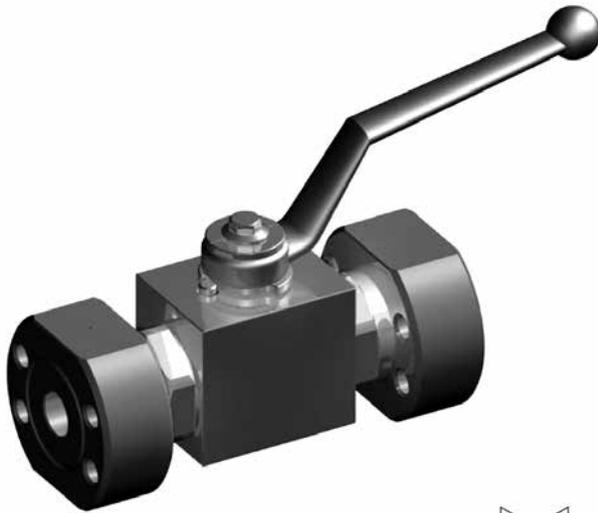
On request

- Reduced bore
- O-Ring in EPDM, FFKM, MQV
- Seals in PEEK, PA 612, RPTFE, GEMPTFE
- Special Threads
- Pressure Class PN 100 to PN 500
- Pneumatic and electrical actuator
- Security block
- Locking device

• For further special requests please consult our technical/commercial service

PBF-32T 2-WAY HIGH PRESSURE BALL VALVES

Carbon Steel / Stainless steel



Specifications

- Type: ball valve PBF-32T 2way
- Body: block
- Material: 1.0737 , 1.4404
- Ball seats: from DN13 up to DN25
- O-Rings: NBR, FKM, EPDM, MVQ
- Operating pressure: S3000 (PN210) S6000 (PN420) depending on valve size and seal materials selected
- Temp range: -10°C to +100°C depending on seal material selected (-60°C to +230°C for Stainless steel)

PBF-32T F3 DN13 1 1 1 1 A B

Type and way of valve _____
PBF-32T -way high pressure ball valves

Valves dimension of pressure (psi) _____
F3 F6
S3000 S6000

Nominal dimension _____
DN13 DN20 DN25

Body material _____
1 1.0737
4 1.4404

Adapter material _____
1 1,0737
4 1.4404

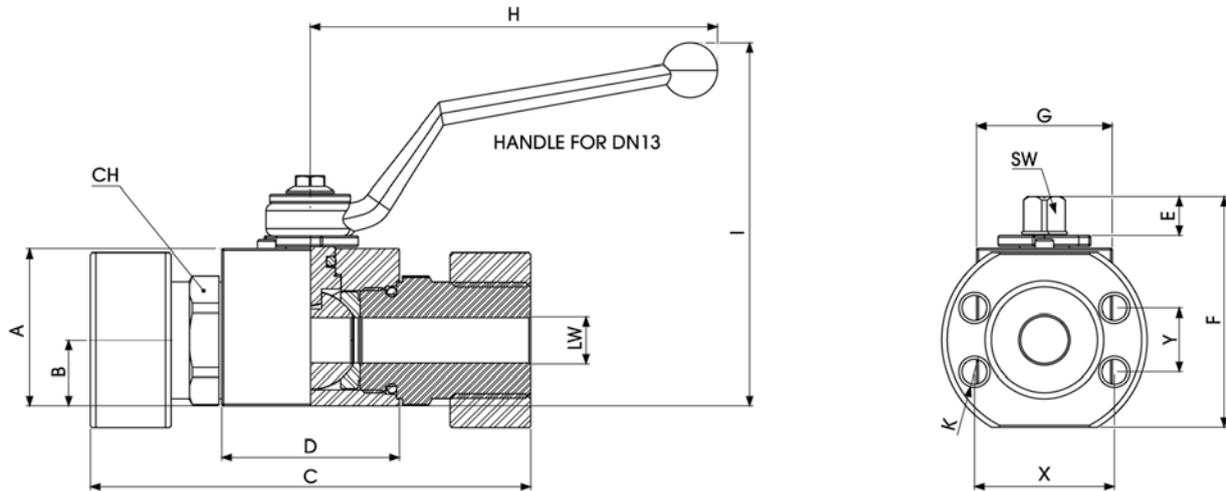
Stem material _____
1 1,0737
4 1.4404

Ball material _____
1 1,0737
4 1.4404

Ball seat material _____
A POM D PEEK G PA612 K PTFE C PTFE

Adapter and stem seal material _____
B NBR E FKM F EPDM L MVQ

PBF-32T 2-WAY HIGH PRESSURE BALL VALVES



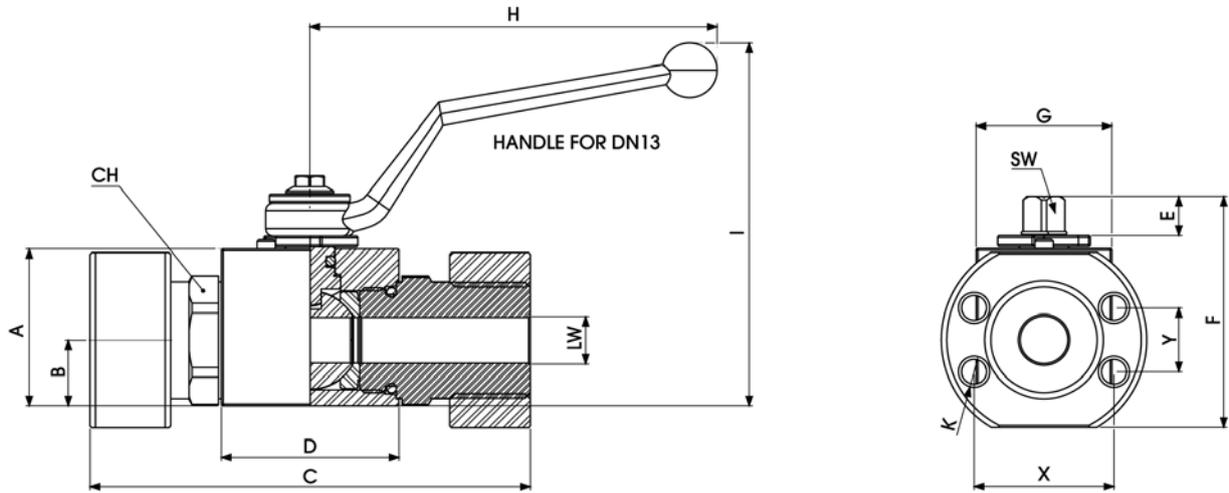
PBF-32T SAE J518 S3000 (Standard)

TYPE	PN	DN	A	B	C	D	E	F	G	H	I	CH	X	Y	K	SW	LW	WEIGHT Kg
PBF-32T3	5000 Psi	13	43	18	120	48,4	11	57	37	110	99,5	32	38,1	17,5	M8	9	13	1,504
PBF-32T3	5000 Psi	20	55	23,4	136	62,5	14	73,5	45	180	106,5	41	47,6	22,2	M10	14	20	2,608
PBF-32T3	5000 Psi	25	65	29,5	148	66,5	14	83,5	55	180	116,5	50	52,4	26,2	M10	14	25	3,891

PBF-32T SAE J518 S3000 UNC (Standard)

TYPE	PN	DN	A	B	C	D	E	F	G	H	I	CH	X	Y	K	SW	LW	WEIGHT Kg
PBF-32T3	5000 Psi	13	43	18	120	48,4	11	57	37	110	99,5	32	38,1	17,5	5/16 -18 UNC	9	13	1,504
PBF-32T3	5000 Psi	20	55	23,4	136	62,5	14	73,5	45	180	106,5	41	47,6	22,2	3/8 -16 UNC	14	20	2,608
PBF-32T3	5000 Psi	25	65	29,5	148	66,5	14	83,5	55	180	116,5	50	52,4	26,2	3/8 -16 UNC	14	25	3,891

PBF-32T 2-WAY HIGH PRESSURE BALL VALVES



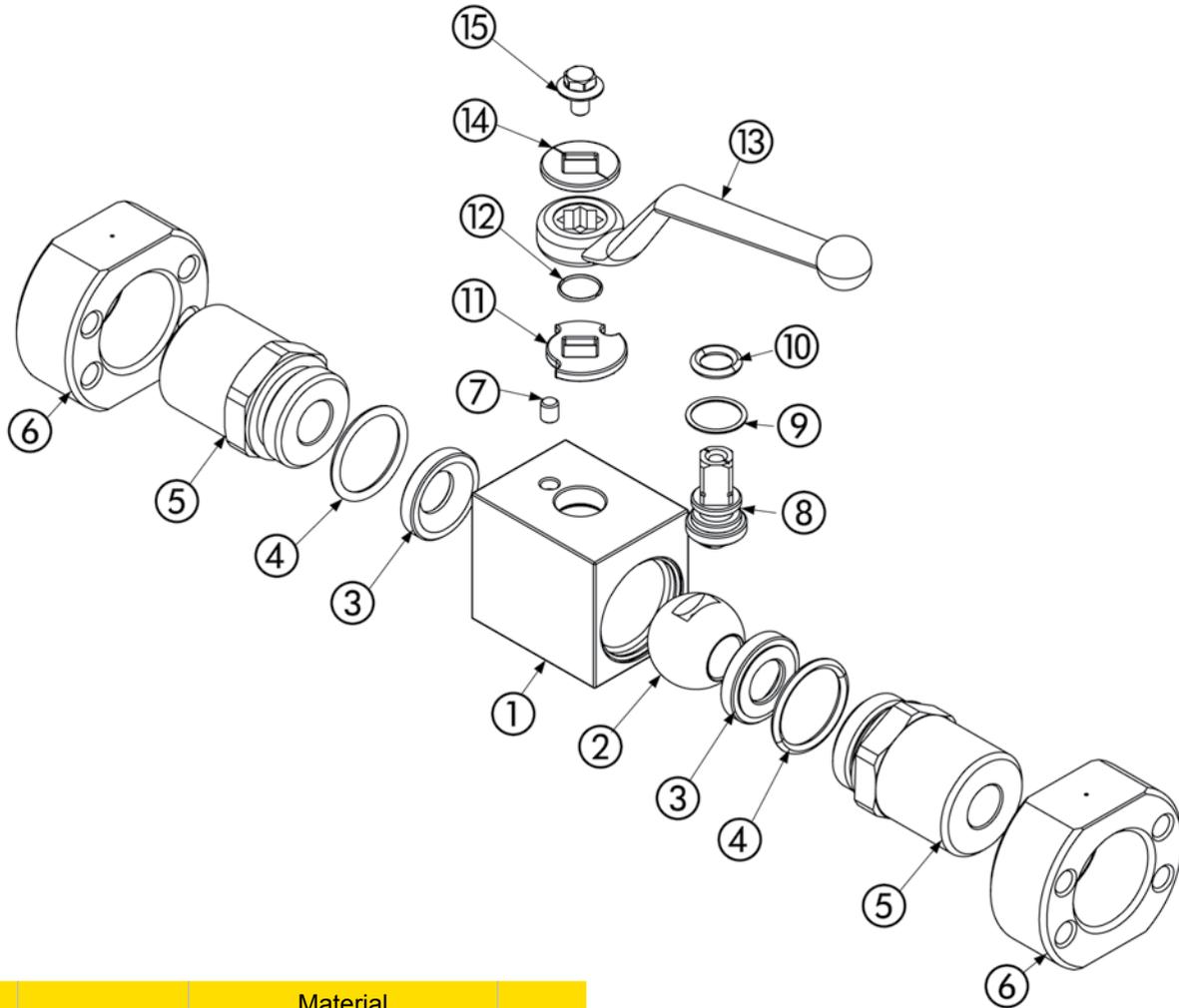
PBF-32T SAE J518 S6000 (Standard)

TYPE	PN	DN	A	B	C	D	E	F	G	H	I	CH	X	Y	K	SW	LW	WEIGHT Kg
PBF-32T6	6000 Psi	13	43	18	120	48,4	11	57	37	110	99,5	32	40,5	18,2	M8	9	13	1,504
PBF-32T6	5800 Psi	20	55	23,4	136	62,5	14	73,5	45	180	106,5	41	50,8	23,8	M10	14	20	2,608
PBF-32T6	5000 Psi	25	65	29,5	148	66,5	14	83,5	55	180	116,5	50	57,2	27,8	M10	14	25	3,891

PBF-32T SAE J518 S6000 UNC (Standard)

TYPE	PN	DN	A	B	C	D	E	F	G	H	I	CH	X	Y	K	SW	LW	WEIGHT Kg
PBF-32T6	6000 Psi	13	43	18	120	48,4	11	57	37	110	99,5	32	40,5	18,2	5/16 -18 UNC	9	13	1,504
PBF-32T6	5800 Psi	20	55	23,4	136	62,5	14	73,5	45	180	106,5	41	50,8	23,8	3/8 -16 UNC	14	20	2,608
PBF-32T6	5000 Psi	25	65	29,5	148	66,5	14	83,5	55	180	116,5	50	57,2	27,8	7/16 -14 UNC	14	25	3,891

PBF-32T 2-WAY HIGH PRESSURE BALL VALVES



Pos	Description	Material		Q.ta
		C.S.	S.S.	
1	Body	1,0737	1,4404	1
2	Ball	1,0737	1,4404	1
3	Ball seat	POM	POM	2
4	Adapter o-ring	NBR	NBR	2
5	Adapter	1,0737	1,4404	2
6	Flange	1,0737	1,4404	2
7	Spine	1,0737	1,4301	1
8	Stem	1,0737	1,4404	1
9	Stem ring	POM	POM	1
10	Stem o-ring	NBR	NBR	1
11	Washer	1,0116	1,4301	1
12	Seeger	1,4301	1,4301	1
13	Handle	ZINC	ZINC	1
14	Washer	1,0116	1,4301	1
15	Screw	DIN 6921 8.8	DIN 6921 A2	1

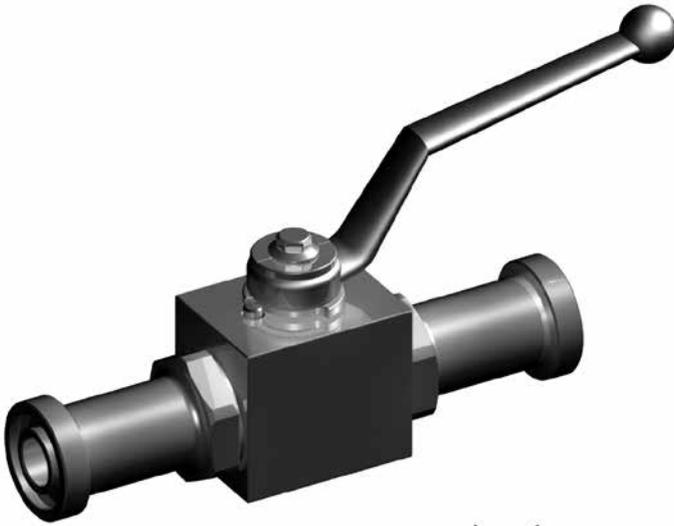
On request

- Reduced bore
- O-Ring in EPDM, FFKM, MQV
- Seals in PEEK, PA 612, RPTFE, PTFE
- Special Threads
- Pressure Class PN 100 to PN 420
- Pneumatic and electrical actuator
- Locking device

• For further special requests please consult our technical/commercial service

PBF-33T 2-WAY HIGH PRESSURE BALL VALVES

Carbon Steel / Stainless steel

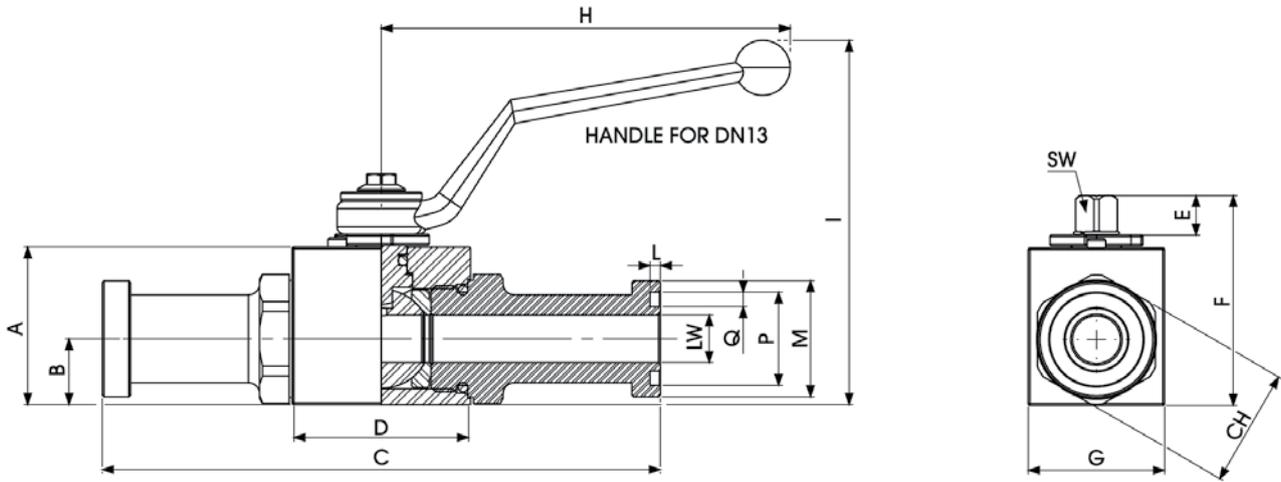


Specifications

- Type: ball valve PBF-33T 2way
- Body: block
- Material: 1.0737 , 1.4404
- Ball seats: from DN13 up to DN25
- O-Rings: NBR, FKM, EPDM, MVQ
- Operating pressure: S3000 (PN210) S6000 (PN420) depending on valve size and seal materials selected
- Temp range: -10°C to +100°C depending on seal material selected (-60°C to +230°C for Stainless steel)

	PBF-33T	S3	DN13	1	1	1	1	A	B
Type and way of valve	PBF-33T 2-way high pressure ball valves								
Valves dimension of pressure (psi)	S3 S6 S3000 S6000								
Nominal dimension	DN13 DN20 DN25								
Body material	1 1.0737 4 1.4404								
Adapter material	1 1,0737 4 1.4404								
Stem material	1 1,0737 4 1.4404								
Ball material	1 1,0737 4 1.4404								
Ball seat material	A POM D PEEK G PA612 K PTFE C PTFE								
Adapter and stem seal material	B NBR E FKM F EPDM L MVQ								

PBF-33T 2-WAY HIGH PRESSURE BALL VALVES



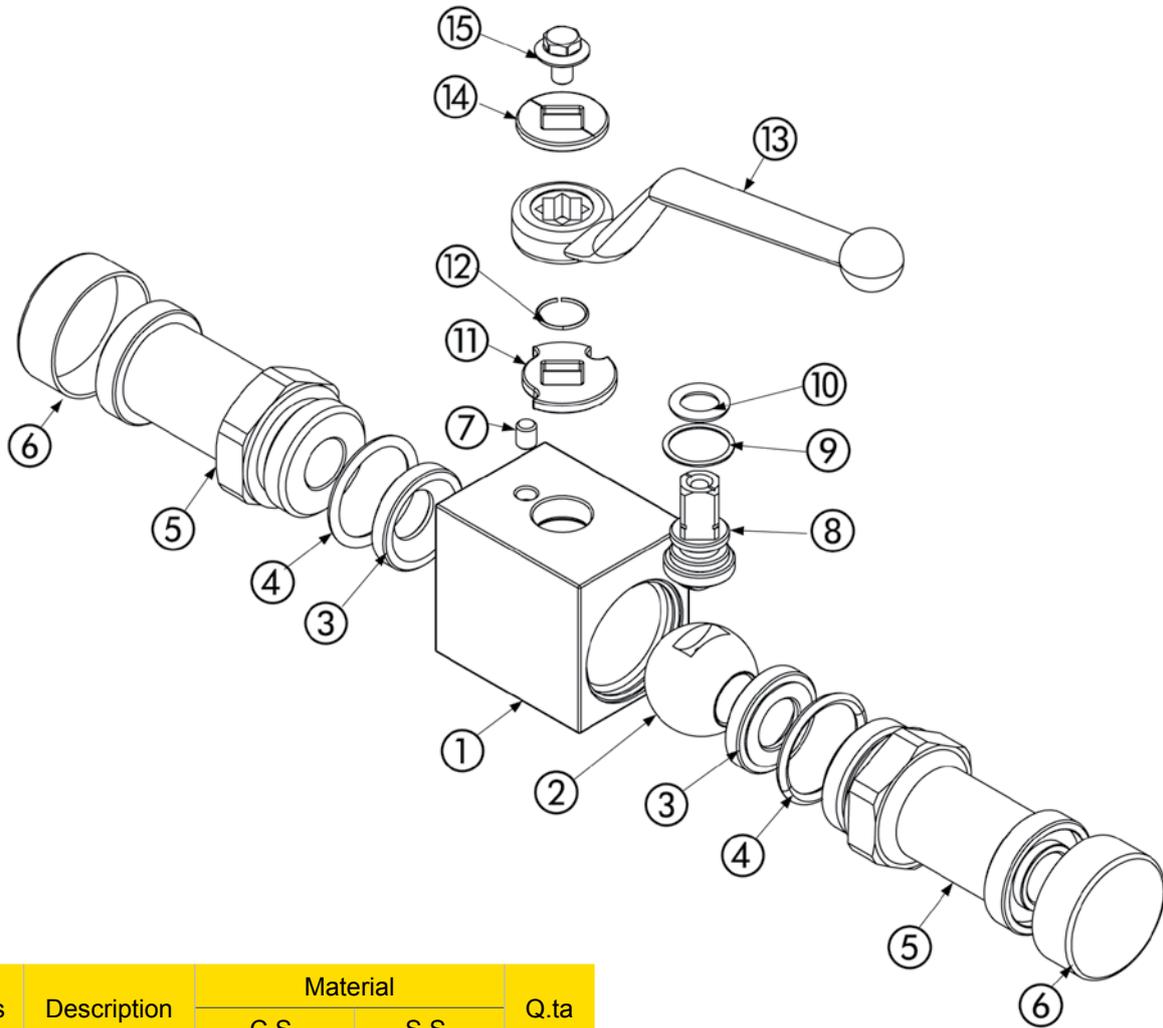
PBF-33T SAE J518 S3000 (Standard)

TYPE	PN	DN	A	B	C	D	E	F	G	H	I	L	M	CH	P	Q	SW	LW	WEIGHT Kg
PBF-33T3	5000 Psi	13	43	18	151,5	48,4	11	57	37	110	99,5	2,79	30,2	32	25,4	3,94	9	13	0,96
PBF-33T3	5000 Psi	20	55	23,4	162	62,5	14	73,5	45	180	106,5	2,79	38,1	41	31,75	3,94	14	20	1,717
PBF-33T3	5000 Psi	25	65	29,5	178	66,5	14	83,5	55	180	116,5	2,79	44,4	50	39,2	3,94	14	25	2,597

PBF-33T SAE J518 S6000 (Standard)

TYPE	PN	DN	A	B	C	D	E	F	G	H	I	L	M	CH	P	Q	SW	LW	WEIGHT Kg
PBF-33T6	6000 Psi	13	43	18	151,5	48,4	11	57	37	110	99,5	2,79	31,6	32	25,4	3,94	9	13	0,956
PBF-33T6	5800 Psi	20	55	23,4	174	62,5	14	73,5	45	180	106,5	2,79	41,3	41	31,75	3,94	14	20	1,792
PBF-33T6	5000 Psi	25	65	29,5	198	66,5	14	83,5	55	180	116,5	2,79	47,8	50	39,2	3,94	14	25	2,759

PBF-33T 2-WAY HIGH PRESSURE BALL VALVES



Pos	Description	Material		Q.ta
		C.S.	S.S.	
1	Body	1,0737	1,4404	1
2	Ball	1,0737	1,4404	1
3	Ball seat	POM	POM	2
4	Adapter o-ring	NBR	NBR	2
5	Adapter	1,0737	1,4404	2
6	Caps	PVC	PVC	2
7	Spine	1,0737	1,4301	1
8	Stem	1,0737	1,4404	1
9	Stem ring	POM	POM	1
10	Stem o-ring	NBR	NBR	1
11	Washer	1,0116	1,4301	1
12	Seeger	1,4301	1,4301	1
13	Handle	ZINC	ZINC	1
14	Washer	1,0116	1,4301	1
15	Screw	DIN 6921 8.8	DIN 6921 A2	1

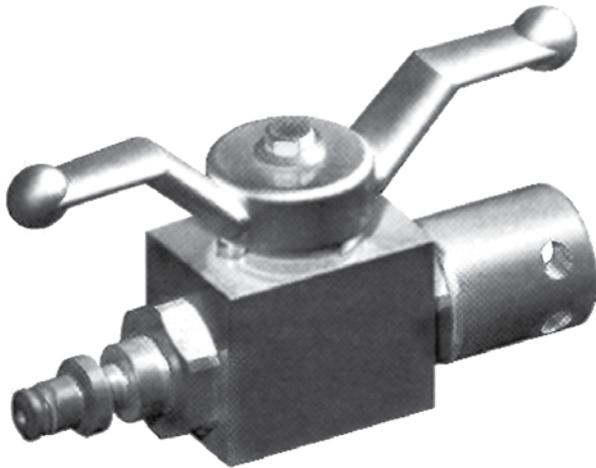
On request

- Reduced bore
- O-Ring in EPDM, FFKM, MQV
- Seals in PEEK, PA 612, RPTFE, PTFE
- Special Threads
- Pressure Class PN 100 to PN 420
- Pneumatic and electrical actuator
- Locking device

• For further special requests please consult our technical/commercial service

PBF-34T 2-WAY HIGH PRESSURE BALL VALVES

Carbon Steel



Specifications

- Type: ball valve PBF 34T 2 way
- Body: square
- Material: 1.0737
- Ball seats: from DN6 up to DN25
- O-Rings: NBR, FKM, EPDM, MVQ
- Operating pressure: 500 Bar depending on valve size and seal materials selected
- Temp range: -100 c to +1000 c depending on seal material selected

PBF-34T SAE8 M DN32 1 1 1 1 A B

Type and way of valve
PBF-34T 2-way high pressure ball valves

Valves dimension of pressure (psi)
MALE FEMALE MALE -FEMALE
SAE4 SAE4 SAE4
SAE6 SAE6 SAE6
SAE8 SAE8 SAE8
SAE12 SAE12 SAE12
SAE16 SAE16 SAE16

Nominal dimension
DN6 DN10 DN13 DN20 DN25

Body material
1 1.0737

Adapter material
1 1.0737

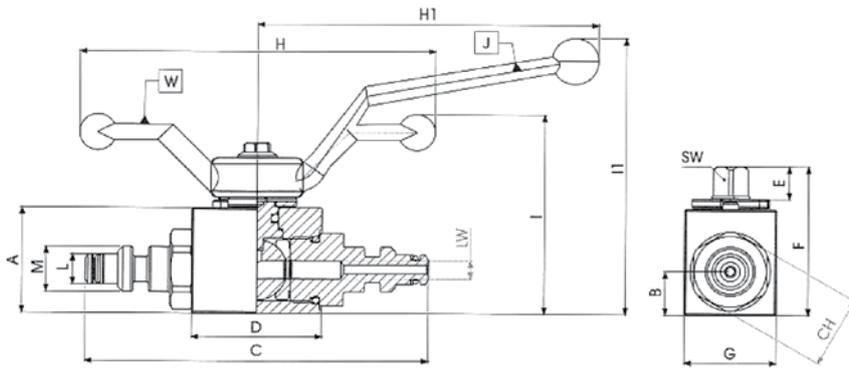
Stem material
1 1.0737

Ball material
1 1.0737

Ball seat material
A POM D PEEK G PA612 K PTFE C PTFE

Adapter and stem seal material
B NBR E FKM F EPDM L MVQ

PBF-34T 2-WAY HIGH PRESSURE BALL VALVES



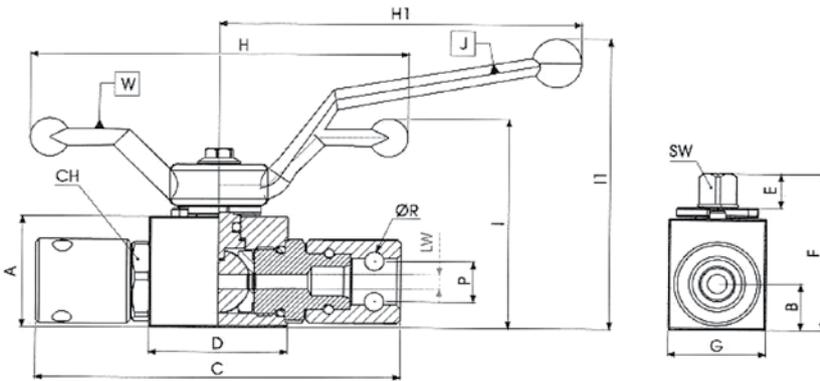
(***)

ABOUT HANDLE, THE FINAL CODE WILL BE:

- 000 STANDARD HANDLE (J)
 - 021 BUTTERFLY HANDLE (W)
- FROM DN6 TO DN25

PBF-34T MALE SAEJ1467 (Standard)

TYPE	PN	DN	A	B	C	D	E	F	G	H	HI	I	II	L	M	CH	SW	LW	WEIGHT Kg	ITEM CODE
PBF-34T SAE4	50 Mpa	6	35	42	112	42,4	11	49	30	116	110	66	91,5	10	15	24	9	6	0,584	GE2MCE 05011A(***)
PBF-34T SAE6	50 Mpa	10	40	44	115	44,4	11	54,25	35	116	110	71	96,5	14	20	30	9	10	0,766	GE2MCE 15011A(***)
PBF-34T SAE8	50 Mpa	13	43	48	117	48,4	11	57	37	116	110	74	99,5	18	24	32	9	13	0,891	GE2MCE 25011A(***)
PBF-34T SAE12	40 Mpa	20	55	62	133	62,5	14	73,5	45	116	180	87	106,5	24	29	41	14	20	1,565	GE2MCE 34011A(***)
PBF-34T SAE16	35 Mpa	25	65	66,5	151,5	66,5	14	83,5	55	116	180	97	116,5	31	39	50	14	25	2,396	GE2MCE 43011A(***)



(***)

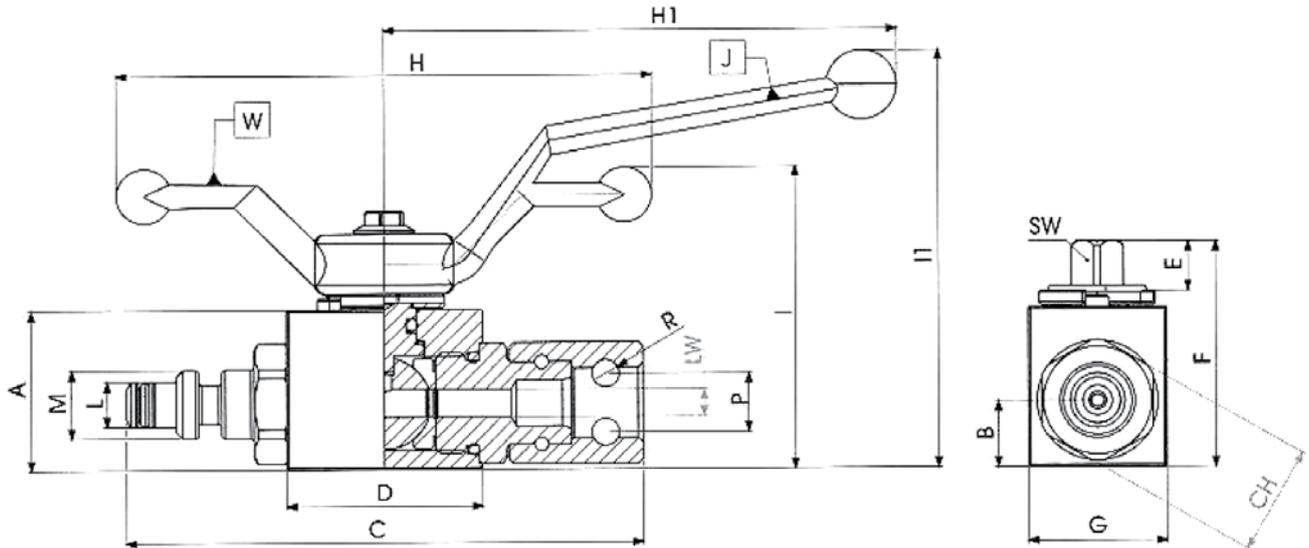
ABOUT HANDLE, THE FINAL CODE WILL BE:

- 000 STANDARD HANDLE (J)
 - 021 BUTTERFLY HANDLE (W)
- FROM DN6 TO DN25

PBF-34T FEMALE SAEJ1467 (Standard)

TYPE	PN	DN	A	B	C	D	E	F	G	H	HI	I	II	CH	P	R	SW	LW	WEIGHT Kg	ITEM CODE
PBF-34T SAE4	50 Mpa	6	35	42	112	42,4	11	49	30	116	110	66	91,5	24	13	6	9	6	0,584	GE2FCE 05011A(***)
PBF-34T SAE6	50 Mpa	10	40	44	115	44,4	11	54,25	35	116	110	71	96,5	30	18	6	9	10	0,766	GE2FCE 15011A(***)
PBF-34T SAE8	50 Mpa	13	43	48	117	48,4	11	57	37	116	110	74	99,5	32	22	6	9	13	0,891	GE2FCE 25011A(***)
PBF-34T SAE12	40 Mpa	20	55	62	133	62,5	14	73,5	45	116	180	87	106,5	41	27	6	14	20	1,565	GE2FCE 34011A(***)
PBF-34T SAE16	35 Mpa	25	65	66,5	151,5	66,5	14	83,5	55	116	180	97	116,5	50	36	8,5	14	25	2,396	GE2FCE 43011A(***)

PBF-34T 2-WAY HIGH PRESSURE BALL VALVES



PBF-34T MALE FEMALE SAEJ1467 (Standard)

TYPE	PN	DN	A	B	C	D	E	F	G	H	HI	I	II	L	M	CH	P	R	SW	LW	WEIGHT Kg	ITEM CODE
PBF-34T SAE4	50 Mpa	6	35	42	112	42,4	11	49	30	116	110	66	91,5	10	15	24	13	6	9	6	0,584	GE2MFE 05011A(***)
PBF-34T SAE6	50 Mpa	10	40	44	115	44,4	11	54,25	35	116	110	71	96,5	14	20	30	18	6	9	10	0,766	GE2MFE 15011A(***)
PBF-34T SAE8	50 Mpa	13	43	48	117	48,4	11	57	37	116	110	74	99,5	18	24	32	22	6	9	13	0,891	GE2MFE 25011A(***)
PBF-34T SAE12	40 Mpa	20	55	62	133	62,5	14	73,5	45	116	180	87	106,5	24	29	41	27	6	14	20	1,565	GE2MFE 34011A(***)
PBF-34T SAE16	35 Mpa	25	65	66,5	151,5	66,5	14	83,5	55	116	180	97	116,5	31	39	50	36	8,5	14	25	2,396	GE2MFE 43011A(***)

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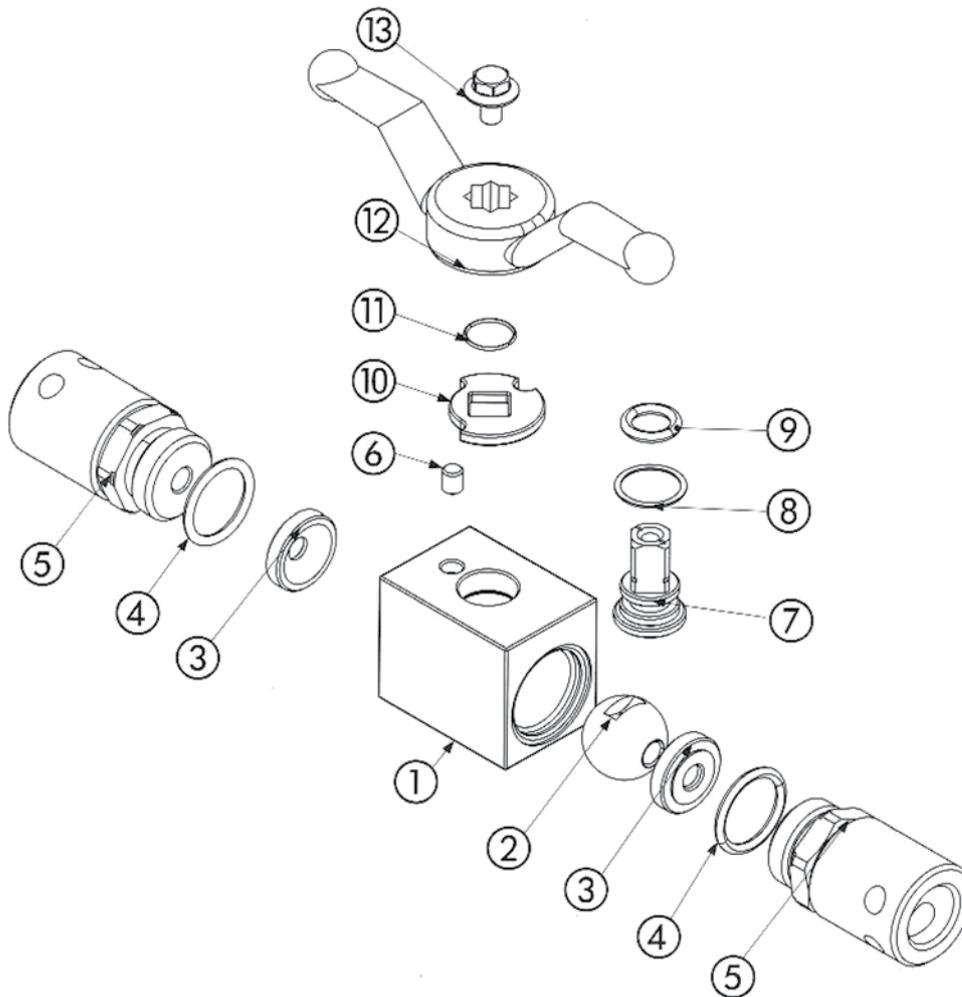
ABOUT HANDLE,THE FINACI ODE WILL BE:

000 STANDARD HANDLE (J)

021 BUTTERFIY HANDLE (W)

FROM DN6 TO DN25

PBF-34T 2-WAY HIGH PRESSURE BALL VALVES



Pos	Description	Material	Q.ta
1	Body	1,0737	1
2	Ball	1,0737	1
3	Ball seat	POM	2
4	Adapter o-ring	NBR	2
5	Adapter	1,0737	2
6	Spine	1,0737	1
7	Stem	1,0737	1
8	Stem ring	POM	1
9	Stem o-ring	NBR	1
10	Washer	1,0116	1
11	Seeger	1,4301	1
12	Handle	ZINC	1
13	Screw	DIN 6921 8.8	1

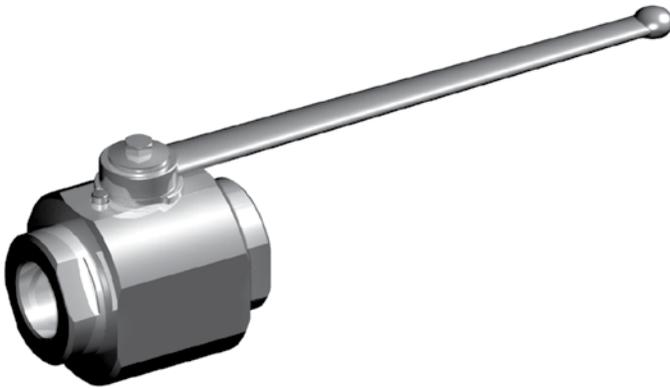
On request

- Reduced bore
- O-Ring in EPDM, FFKM, MQV
- Seals in PEEK PA 612, RPTFE, GEMPTFE
- Special Threads
- Stem in stainless steel 1,4404
- Ball in stainless steel 1,4404
- Pressure Class PN 100 to PN 500
- Pneumatic and electrical actuator
- Locking device

• For further special requests please consult our technical/commercial service

PBF-35T 2-WAY HIGH PRESSURE BALL VALVES

Carbon Steel / Stainless steel



Specifications

- Type: ball valve PBF-35T 2way
- Body: round
- Material: 1.0570 / 1.0737 / 1.4404
- Ball seats: from DN32 up to DN50
- O-Rings: NBR, FKM, EPDM, MVQ
- Operating pressure: 350 Bar depending on valve size and seal materials selected
- Temp range: -20°C to +100°C depending on seal material selected (-60°C to +230°C for Stainless steel)

PBF-35T G1" 1/4 DN32 2 2 1 1 A B

Type and way of valve _____
PBF-35T 2-way high pressure ball valves

Valves dimension of inch _____

GAS	ANSI/ASME	SAE	DIN 2353	DIN 2353
DIN/ISO 228	B1.20.1 NPT	J1926-1	HEAVY SERIES	LIGHT SERIES
G1"1/4	N1" 1/4	SAE20	38S	35L
G1"1/2	N1" 1/2	SAE24		42L
G2" R	N2" R	SAE32		
G2"	N2"			

Nominal dimension _____
DN32 DN40 DN50

Body material _____
2 1.0570
4 1.4404

Adapter material _____
2 1.0570
4 1.4404

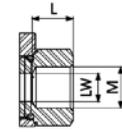
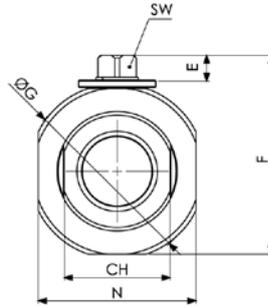
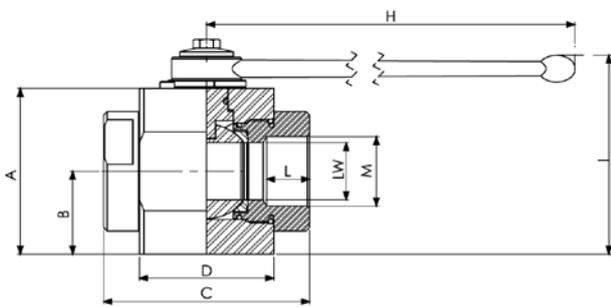
Stem material _____
1 1.0737
4 1.4404

Ball material _____
1 1.0737
4 1.4404

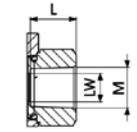
Ball seat material _____
A POM D PEEK G PA612 K PTFE C PTFE

Adapter and stem seal material _____
B NBR E FKM F EPDM L MVQ

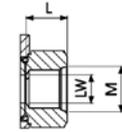
PBF-35T 2-WAY HIGH PRESSURE BALL VALVES



DIN ISO 228



ANSI/ASME B1.20.1



SAE J1926-1

PBF-35T DIN ISO 228 BSP (Standard)

TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	L	M	N	CH	SW	LW	WEIGHT Kg
PBF-35T G1 1/4	35 Mpa	32	93	46,5	115	75	13,5	111,5	98	300	120,5	24	G 1"1/4	88	60	17	32	6,975
PBF-35T G1 1/2	35 Mpa	40	107	53,5	131	85	13,5	125,5	113	300	134,5	25	G 1"1/2	102	75	17	40	7,393
PBF-35T G2R	35 Mpa	40	107	53,5	131	85	13,5	125,5	113	300	134,5	25	G 2"	102	75	17	40	6,975
PBF-35T G2	35 Mpa	50	114	57	140	98	13,5	132,5	123	300	141,5	27	G 2"	118	85	17	50	9,046

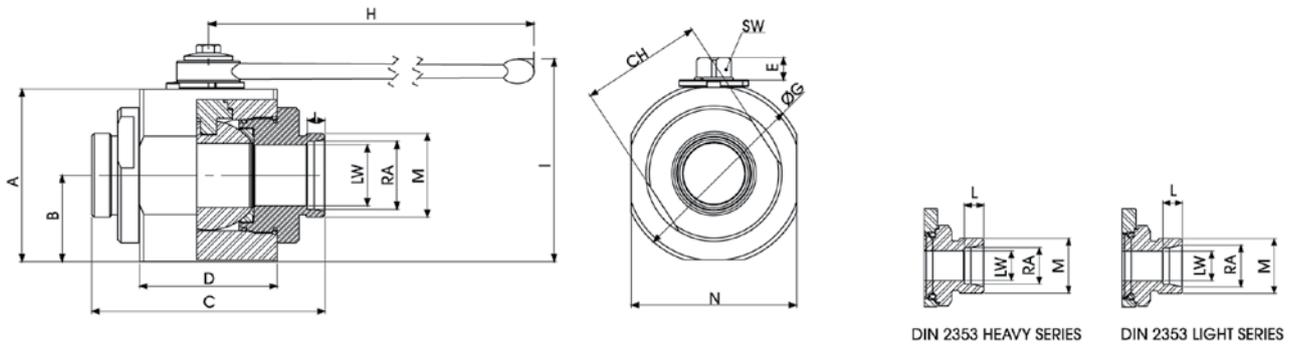
PBF-35T ANSI/ASME B1.20.1 NPT (Standard)

TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	L	M	N	CH	SW	LW	WEIGHT Kg
PBF-35T N1 1/4	35 Mpa	32	93	46,5	115	75	13,5	111,5	98	300	120,5	24	N 1"1/4	88	60	17	32	6,975
PBF-35T N1 1/2	35 Mpa	40	107	53,5	131	85	13,5	125,5	113	300	134,5	25	N 1"1/2	102	75	17	40	7,393
PBF-35T N2R	35 Mpa	40	107	53,5	131	85	13,5	125,5	113	300	134,5	25	N 2"	102	75	17	40	6,975
PBF-35T N2	35 Mpa	50	114	57	140	98	13,5	132,5	123	300	141,5	27	N 2"	118	85	17	50	9,046

PBF-35T SAE J1926-1 (Standard)

TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	L	M	N	CH	SW	LW	WEIGHT Kg
PBF-35T SAE20	35 Mpa	32	93	46,5	115	75	13,5	111,5	98	300	120,5	24	1"5/8 UN	88	60	17	32	6,975
PBF-35T SAE24	35 Mpa	40	107	53,5	131	85	13,5	125,5	113	300	134,5	25	1"7/8 UN	102	75	17	40	7,393
PBF-35T SAE32	35 Mpa	50	114	57	140	98	13,5	132,5	123	300	141,5	27	2"1/2 UN	118	85	17	50	9,046

PBF-35T 2-WAY HIGH PRESSURE BALL VALVES

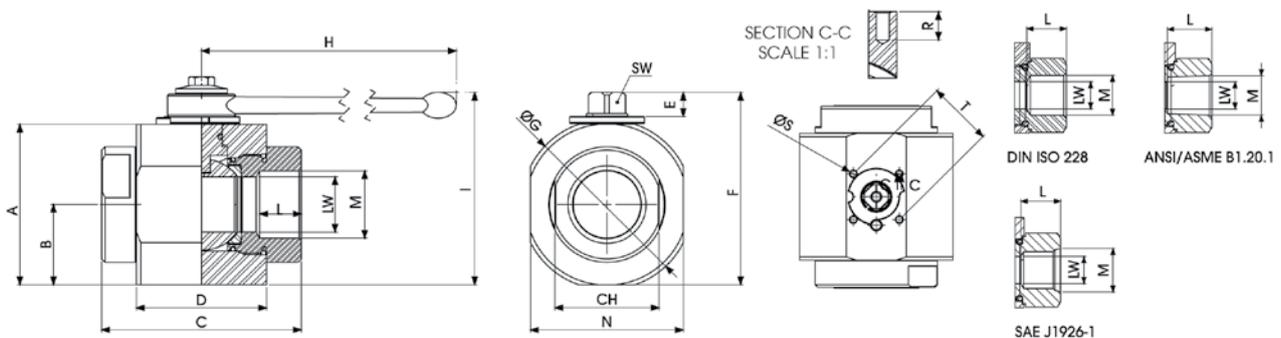


PBF-35T DIN 2353 HEAVY SERIES (Standard)

TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	L	M	N	CH	SW	LW	RA	WEIGHT Kg
PBF-35T 38S	35 MPa	32	93	46,5	146	75	13,5	111,5	98	300	120,5	16	52X2	88	60	17	32	38,3	5,229

PBF-35T DIN 2353 LIGHT SERIES (Standard)

TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	L	M	N	CH	SW	LW	RA	WEIGHT Kg
PBF-35T 35L	35 Mpa	32	93	46,5	135	75	13,5	111,5	98	300	120,5	10,5	45X2	88	60	17	32	35,3	5,079
PBF-35T 42L	35 Mpa	40	107	53,5	144	85	13,5	125,5	113	300	134,5	11	52X2	102	75	17	40	42,3	7,144



PBF-35T DIN ISO 228 BSP (Fixing holes DIN/ISO5211)

TYPE	PN	DN	A	B	C	D	E	F	ØG	I	L	M	N	CH	R	ØS	T	SW	LW	WEIGHT Kg
PBF-35T G1 1/4	35 Mpa	32	93	46,5	115	75	13,5	111,5	98	120,5	24	G 1"1/4	88	60	11	M6	50	17	32	6,975
PBF-35T G1 1/2	35 Mpa	40	107	53,5	131	85	13,5	125,5	113	134,5	25	G 1"1/2	102	75	11	M6	50	17	40	7,393
PBF-35T G2R	35 Mpa	40	107	53,5	131	85	13,5	125,5	113	134,5	25	G 2"	102	75	11	M6	50	17	40	6,975
PBF-35T G2	35 Mpa	50	114	57	140	98	13,5	132,5	123	141,5	27	G 2"	118	85	11	M6	50	17	50	9,046

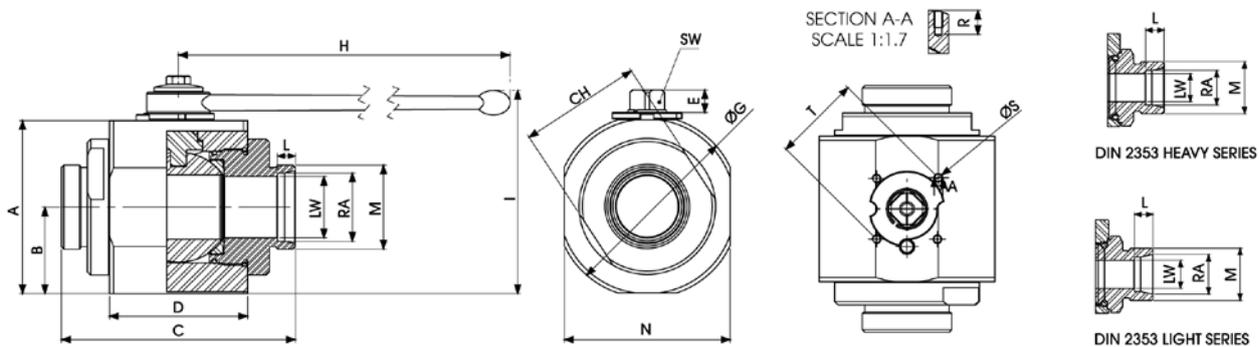
PBF-35T 2-WAY HIGH PRESSURE BALL VALVES

PBF-35T ANSI/ASME B1.20.1 NPT (Fixing holes DIN/ISO5211)

TYPE	PN	DN	A	B	C	D	E	F	ØG	I	L	M	N	CH	R	ØS	T	SW	LW	WEIGHT Kg
PBF-35T N1 1/4	35 Mpa	32	93	46,5	115	75	13,5	111,5	98	120,5	24	N 1"1/4	88	60	11	M6	50	17	32	6,975
PBF-35T N1 1/2	35 Mpa	40	107	53,5	131	85	13,5	125,5	113	134,5	25	N 1"1/2	102	75	11	M6	50	17	40	7,393
PBF-35T N2R	35 Mpa	40	107	53,5	131	85	13,5	125,5	113	134,5	25	N 2"	102	75	11	M6	50	17	40	6,975
PBF-35T N2	35 Mpa	50	114	57	140	98	13,5	132,5	123	141,5	27	N 2"	118	85	11	M6	50	17	50	9,046

PBF-35T SAE J1926-1 (Fixing holes DIN/ISO5211)

TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	L	M	N	CH	SW	LW	WEIGHT Kg
PBF-35T SAE20	35 Mpa	32	93	46,5	115	75	13,5	111,5	98	300	120,5	24	1"5/8 UN	88	60	17	32	6,975
PBF-35T SAE24	35 Mpa	40	107	53,5	131	85	13,5	125,5	113	300	134,5	25	1"7/8 UN	102	75	17	40	7,393
PBF-35T SAE32	35 Mpa	50	114	57	140	98	13,5	132,5	123	300	141,5	27	2"1/2 UN	118	85	17	50	9,046



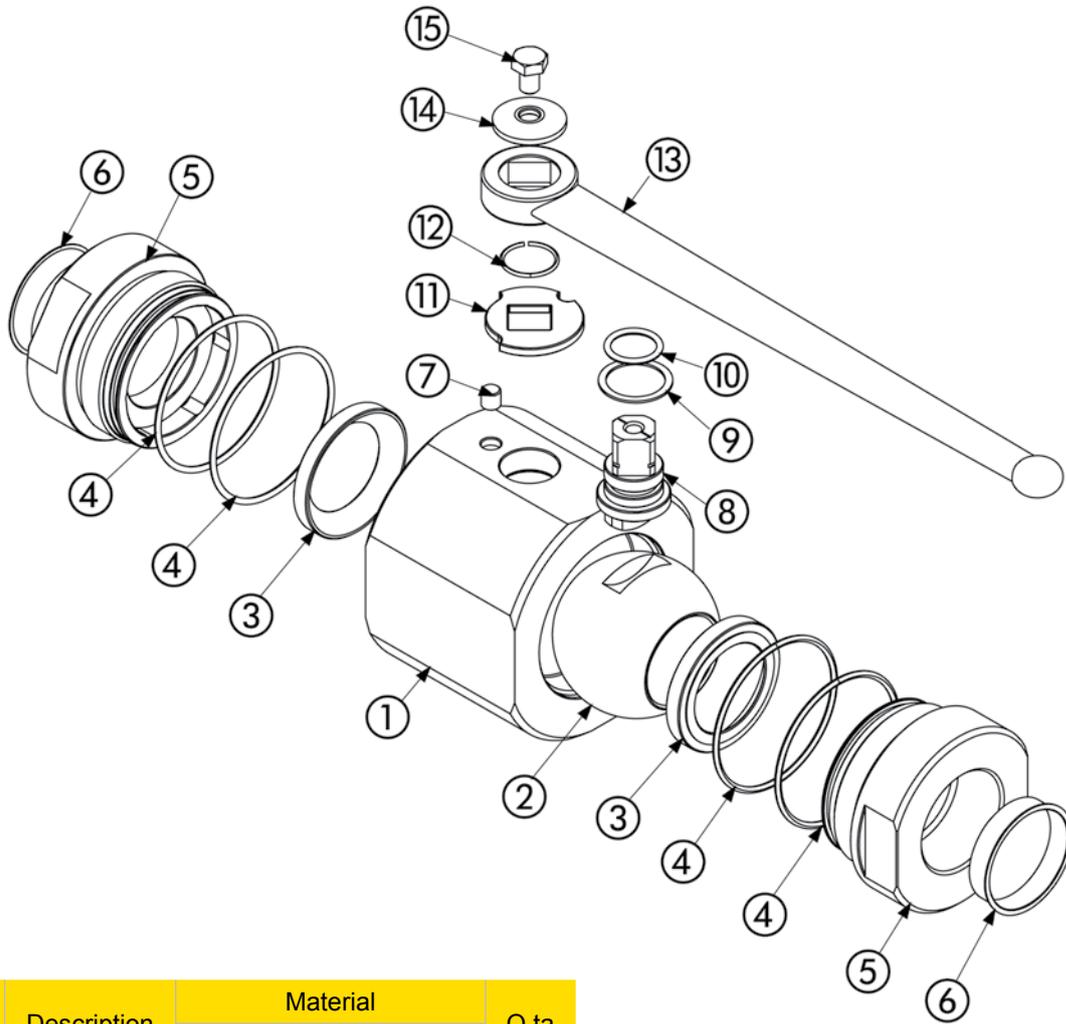
PBF-35T DIN 2353 HEAVY SERIES (Fixing holes DIN/ISO5211)

TYPE	PN	DN	A	B	C	D	E	F	ØG	I	L	M	N	CH	R	ØS	T	SW	LW	RA	WEIGHT Kg
PBF-35T 38S	35 Mpa	32	93	46,5	146	75	13,5	111,5	98	120,5	16	52X2	88	60	M6	11	50	17	32	38,3	5,229

PBF-35T DIN 2353 LIGHT SERIES (Fixing holes DIN/ISO5211)

TYPE	PN	DN	A	B	C	D	E	F	ØG	I	L	M	N	CH	R	ØS	T	SW	LW	RA	WEIGHT Kg
PBF-35T 35L	35 Mpa	32	93	46,5	135	75	13,5	111,5	98	120,5	10,5	45X2	88	60	11	M6	50	17	32	35,3	5,079
PBF-35T 42L	35 Mpa	40	107	53,5	144	85	13,5	125,5	113	134,5	11	52X2	102	75	11	M6	50	17	40	42,3	7,144

PBF-35T 2-WAY HIGH PRESSURE BALL VALVES



Pos	Description	Material		Q.ta
		C.S.	S.S.	
1	Body	1,0570	1,4044	1
2	Ball	1,0737	1,4044	1
3	Ball seat	POM	POM	2
4	Adapter o-ring	NBR	NBR	4
5	Adapter	1,0570	1,4044	2
6	Caps	PVC	PVC	2
7	Spine	1,0737	1,4301	1
8	Stem	1,0737	1,4301	1
9	Stem ring	POM	POM	1
10	Stem o-ring	NBR	NBR	1
11	Washer	1,0116	1,4031	1
12	Seeger	1,4301	1,4301	1
13	Handle	1,0116	1,4031	1
14	Washer	1,0737	1,4031	1
15	Screw	ISO4017 8.8	ISO4017 A2	1

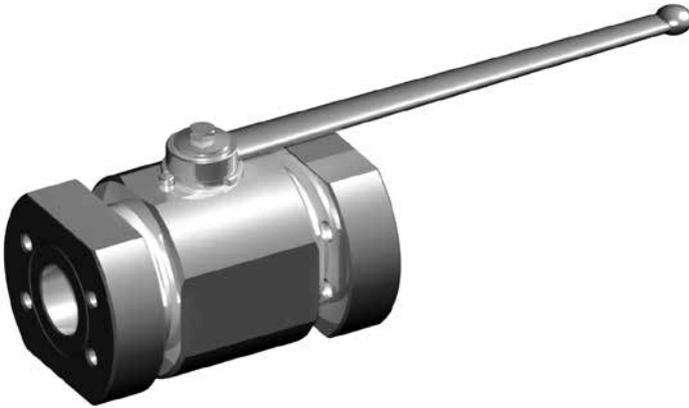
On request

- Reduced bore
- O-Ring in EPDM, FFKM, MQV
- Seals in PEEK, PA 612, RPTFE, PTFE
- Special Threads
- Pressure Class PN 100 to PN 350
- Pneumatic and electrical actuator
- Security block
- Locking device

• For further special requests please consult our technical/commercial service

PBF-36T 2-WAY HIGH PRESSURE BALL VALVES

Carbon Steel Stainless steel

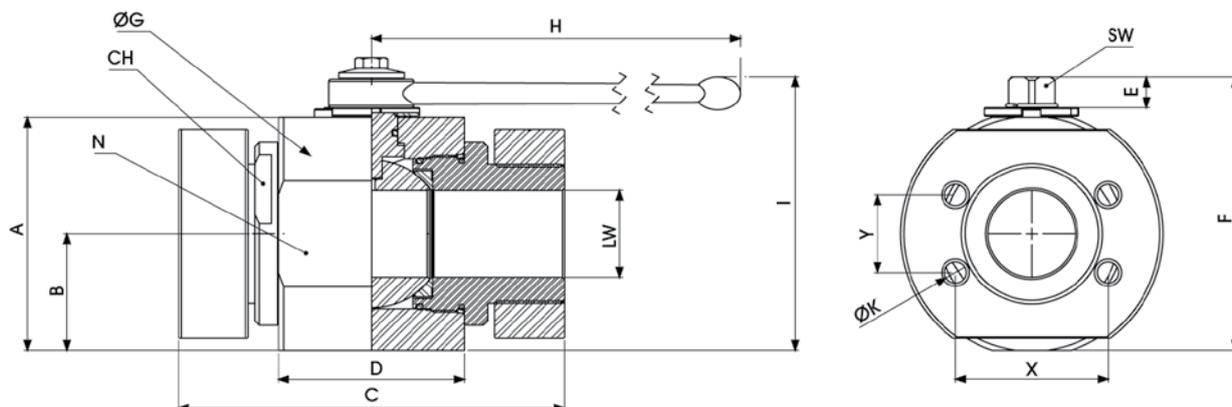


Specifications

- Type: ball valve PBF-36T 2way
- Body: round
- Material: 1.0570 / 1.0737 / 1.4404
- Ball seats: from DN32 up to DN50
- O-Rings: NBR, FKM, EPDM, MVQ
- Operating pressure: S3000 (210 bar), S6000 (350 bar) depending on valve size and seal materials selected
- Temp range: -20°C to +100°C depending on seal material selected (-60°C to +230°C for Stainless steel)

	PBF-36T	F3	DN32	2	2	1	1	A	B
Type and way of valve	PBF-36T 2-way high pressure ball valves								
Valves dimension of pressure (psi)	F3 F6								
	S3000 S6000								
Nominal dimension	DN32 DN40 DN50								
Body material	2 1.0570								
	4 1.4404								
Adapter material	2 1.0570								
	4 1.4404								
Stem material	1 1.0737								
	4 1.4404								
Ball material	1 1.0737								
	4 1.4404								
Ball seat material	A POM D PEEK G PA612 K PTFE C PTFE								
Adapter and stem seal material	B NBR E FKM F EPDM L MVQ								

PBF-36T 2-WAY HIGH PRESSURE BALL VALVES



PBF-36T SAE J518 S3000 (Standard)

TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	N	X	Y	K	CH	SW	LW	WEIGHT Kg
PBF-36T3	4000 Psi	32	93	46,5	172	75	13,5	111,5	98	300	120,5	88	58,7	30,2	M10	60	17	32	8,102
PBF-36T3	3000 Psi	40	107	53,5	176,5	85	13,5	125,5	113	300	134,5	102	69,8	35,7	M12	75	17	40	11,142
PBF-36T3	3000 Psi	50	114	57	196	98	13,5	132,5	123	300	141,5	118	77,8	42,9	M12	85	17	50	15,343

PBF-36T SAE J518 S3000 UNC (Standard)

TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	N	X	Y	K	CH	SW	LW	WEIGHT Kg
PBF-36T3	4000 Psi	32	93	46,5	172	75	13,5	111,5	98	300	120,5	88	58,7	30,2	7/16 -14 UNC	60	17	32	8,102
PBF-36T3	3000 Psi	40	107	53,5	176,5	85	13,5	125,5	113	300	134,5	102	69,8	35,7	1/2 -13 UNC	75	17	40	11,142
PBF-36T3	3000 Psi	50	114	57	196	98	13,5	132,5	123	300	141,5	118	77,8	42,9	1/2 -13 UNC	85	17	50	15,343

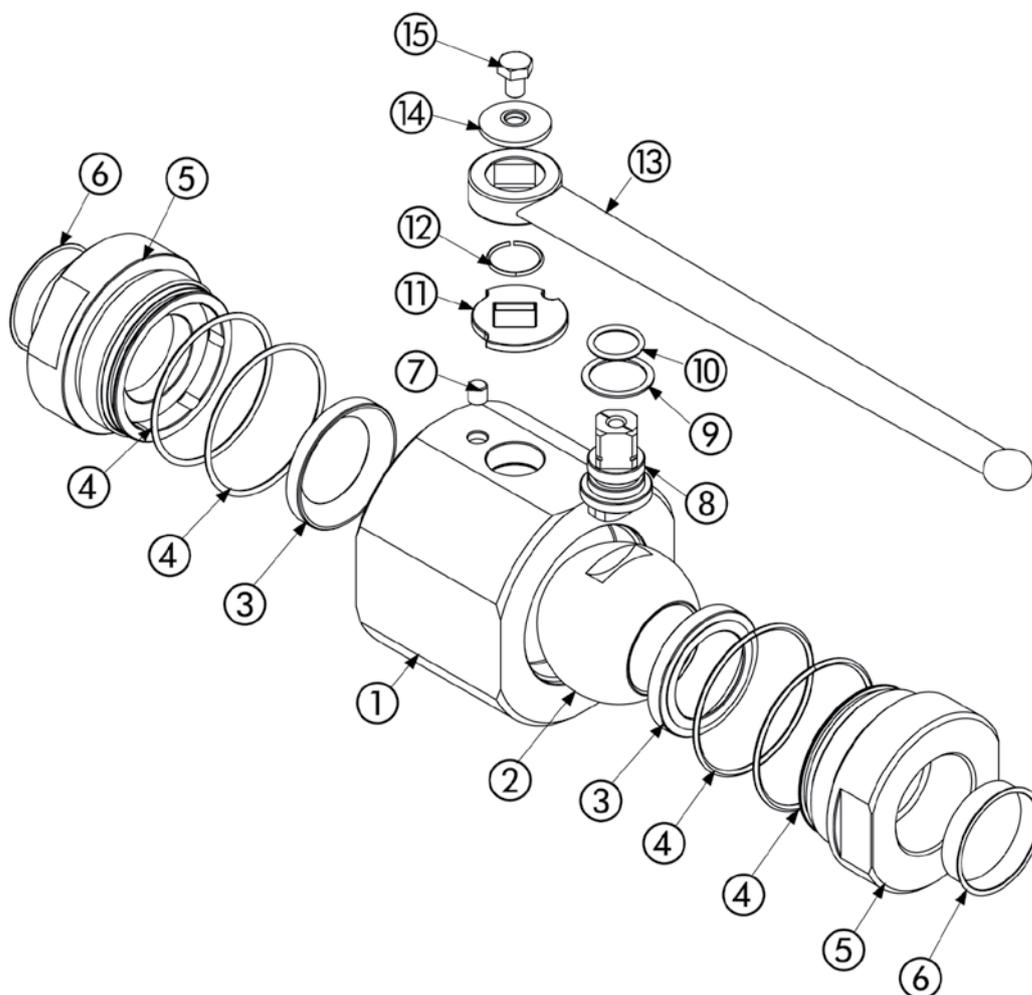
PBF-36T SAE J518 S6000 (Standard)

TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	N	X	Y	K	CH	SW	LW	WEIGHT Kg
PBF-36T6	5000 Psi	32	93	46,5	172	75	13,5	111,5	98	300	120,5	88	66,7	31,8	M14	60	17	32	8,102
PBF-36T6	5000 Psi	40	107	53,5	176,5	85	13,5	125,5	113	300	134,5	102	79,4	36,5	M16	75	17	40	11,142
PBF-36T6	5000 Psi	50	114	57	196	98	13,5	132,5	123	300	141,5	118	96,8	44,5	M20	85	17	50	15,343

PBF-36T SAE J518 S3000 UNC (Standard)

TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	N	X	Y	K	CH	SW	LW	WEIGHT Kg
PBF-36T6	5000 Psi	32	93	46,5	172	75	13,5	111,5	98	300	120,5	88	66,7	31,8	1/2 -13-UNC	60	17	32	8,102
PBF-36T6	5000 Psi	40	107	53,5	176,5	85	13,5	125,5	113	300	134,5	102	79,4	36,5	5/8 -11 UNC	75	17	40	11,142
PBF-36T6	5000 Psi	50	114	57	196	98	13,5	132,5	123	300	141,5	118	96,8	44,5	3/4 -10 UNC	85	17	50	15,343

PBF-36T 2-WAY HIGH PRESSURE BALL VALVES



Pos	Description	Material		Q.ta
		C.S.	S.S.	
1	Body	1,0570	1,4044	1
2	Ball	1,0737	1,4044	1
3	Ball seat	POM	POM	2
4	Adapter o-ring	NBR	NBR	4
5	Adapter	1,0570	1,4044	2
6	Flange	1,0570	1,4044	2
7	Spine	1,0737	1,4301	1
8	Stem	1,0737	1,4301	1
9	Stem ring	POM	POM	1
10	Stem o-ring	NBR	NBR	1
11	Washer	1,0116	1,4301	1
12	Seeger	1,4301	1,4301	1
13	Handle	1,0116	1,4301	1
14	Washer	1,0737	1,4301	1
15	Screw	ISO4017 8.8	ISO4017 A2	1

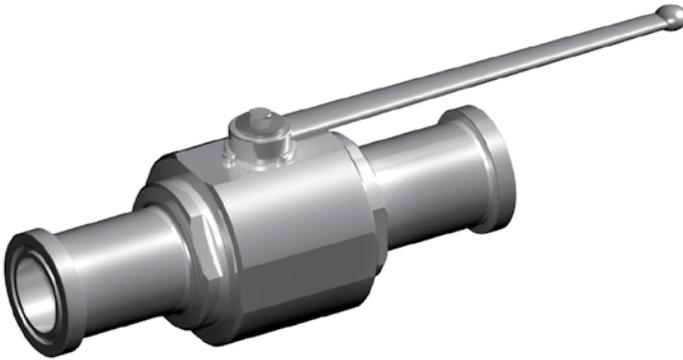
On request

- Reduced bore
- O-Ring in EPDM, FFKM, MQV
- Seals in PEEK, PA 612, RPTFE, PTFE
- Special Threads
- Pressure Class PN 100 to PN 350
- Pneumatic and electrical actuator
- Locking device

• For further special requests please consult our technical/commercial service

PBF-37T 2-WAY HIGH PRESSURE BALL VALVES

Carbon Steel / Stainless steel

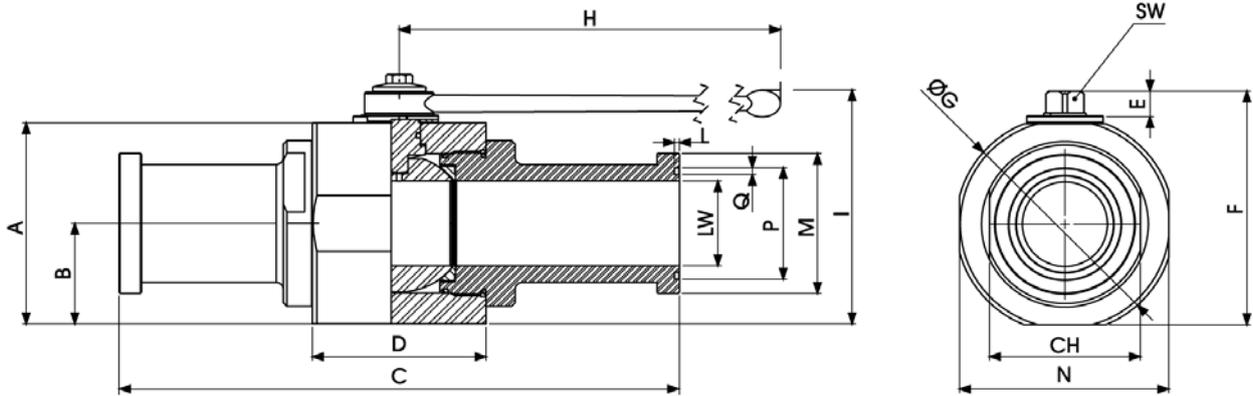


Specifications

- Type: ball valve PBF-37T 2way
- Body: round
- Material: 1.0570 / 1.0737 / 1.4404
- Ball seats: from DN32 up to DN50
- O-Rings: NBR, FKM, EPDM, MVQ
- Operating pressure: S3000 (210 bar), S6000 (350 bar) depending on valve size and seal materials selected
- Temp range: -20°C to +100°C depending on seal material selected (-60°C to +230°C for Stainless steel)

	PBF-37T	S3	DN32	2	2	1	1	A	B
Type and way of valve	PBF-37T 2-way high pressure ball valves								
Valves dimension of pressure (psi)	S3 S6 S3000 S6000								
Nominal dimension	DN32 DN40 DN50								
Body material	2 1.0570 4 1.4404								
Adapter material	2 1.0570 4 1.4404								
Stem material	1 1.0737 4 1.4404								
Ball material	1 1.0737 4 1.4404								
Ball seat material	A POM D PEEK G PA612 K PTFE C PTFE								
Adapter and stem seal material	B NBR E FKM F EPDM L MVQ								

PBF-37T 2-WAY HIGH PRESSURE BALL VALVES



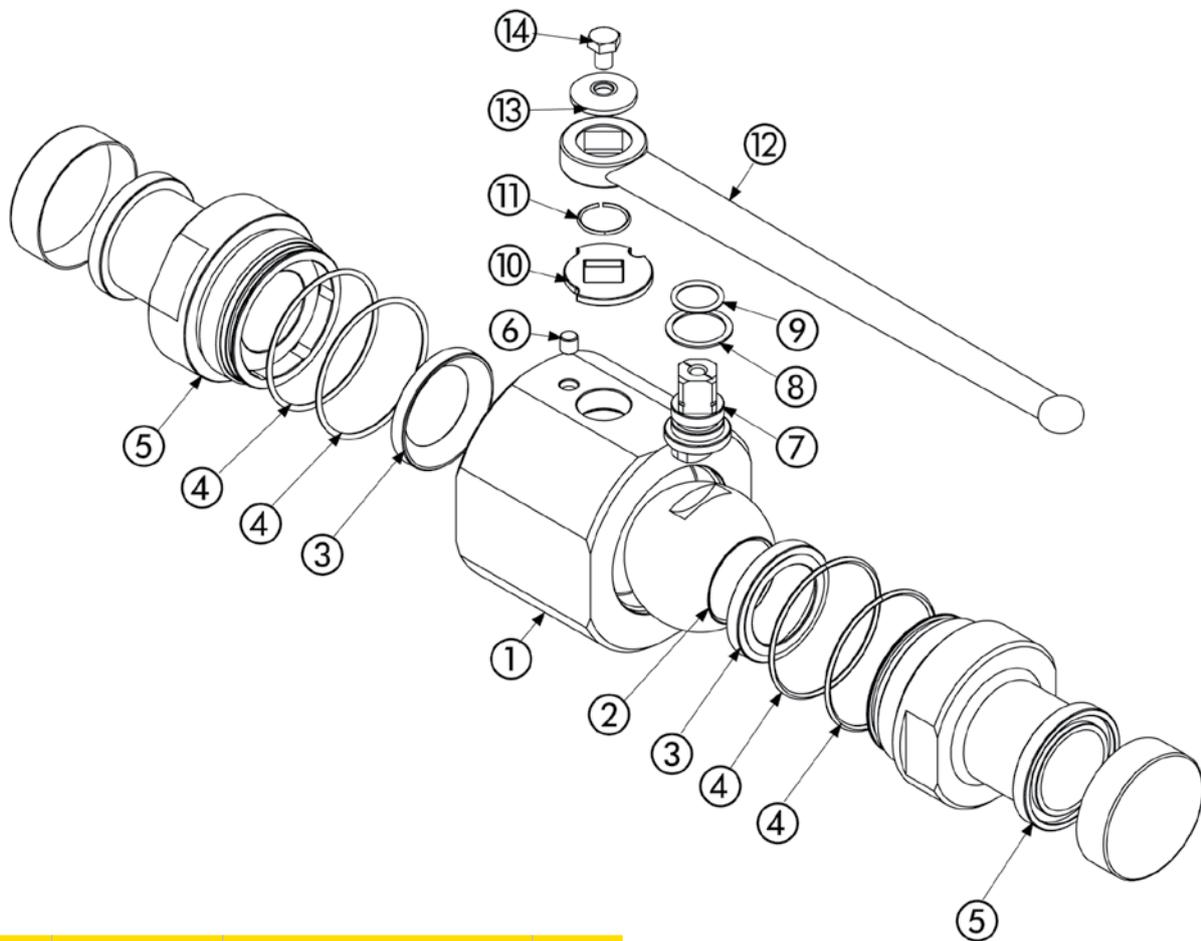
PBF-37T SAE J518 S3000 (Standard)

TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	L	M	N	CH	P	Q	SW	LW	WEIGHT Kg
PBF-37T	4000 Psi	32	93	46,5	190,5	75	13,5	111,5	98	300	120,5	2,79	50,8	88	60	44,45	3,94	17	32	5,429
PBF-37T	3000 Psi	40	107	53,5	230,5	85	13,5	125,5	113	300	134,5	2,79	60,26	102	75	53,67	3,94	17	40	8,265
PBF-37T	3000 Psi	50	114	57	232	98	13,5	132,5	123	300	141,5	2,79	71,4	118	85	63,25	3,94	17	50	9,865

PBF-37T SAE J518 S3000 (Standard)

TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	L	M	N	CH	P	Q	SW	LW	WEIGHT Kg
PBF-37T	5000 Psi	32	93	46,5	223	75	13,5	111,5	98	300	120,5	2,79	54	88	60	44,45	3,94	17	32	5,828
PBF-37T	5000 Psi	40	107	53,5	281	85	13,5	125,5	113	300	134,5	2,79	63,46	102	75	53,67	3,94	17	40	8,251
PBF-37T	5000 Psi	50	114	57	316	98	13,5	132,5	123	300	141,5	2,79	79,4	118	85	63,25	3,94	17	50	11,774

PBF-37T 2-WAY HIGH PRESSURE BALL VALVES



Pos	Description	Material		Q.ta
		C.S.	S.S.	
1	Body	1,0570	1,4404	1
2	Ball	1,0737	1,4404	1
3	Ball seat	POM	POM	2
4	Adapter o-ring	NBR	NBR	4
5	Adapter	1,0570	1,4404	2
6	Spine	1,0737	1,4301	1
7	Stem	1,0737	1,4404	1
8	Stem ring	POM	POM	1
9	Stem o-ring	NBR	NBR	1
10	Washer	1,0116	1,4301	1
11	Seeger	1,4301	1,4301	1
12	Handle	1,0116	1,4301	1
3	Washer	1,0737	1,4301	1
14	Screw	ISO4017 8.8	ISO4017 A2	1

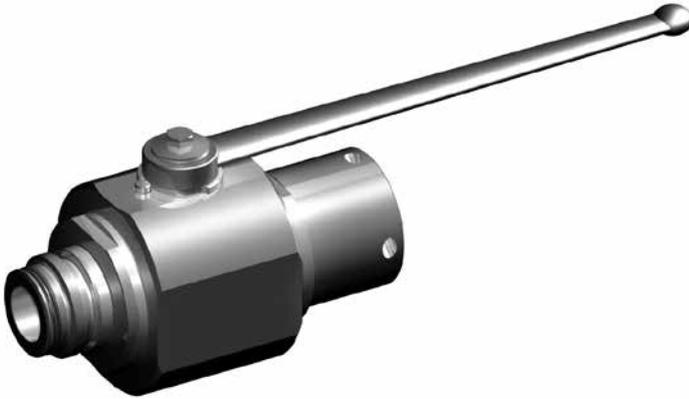
On request

- Reduced bore
- O-Ring in EPDM, FFKM, MQV
- Seals in PEEK, PA 612, RPTFE, PTFE
- Special Threads
- Pressure Class PN 100 to PN 350
- Pneumatic and electrical actuator
- Locking device
- Cut and Uncut flange S3000-S6000

• For further special requests please consult our technical/commercial service

PBF-38T 2-WAY HIGH PRESSURE BALL VALVES

Carbon Steel / Stainless steel

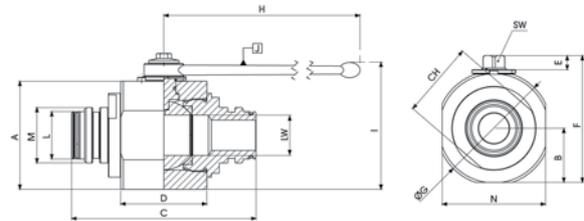


Specifications

- Type: ball valve PBF-38T 2way
- Body: round
- Material: 1.0570 / 1.0737
- Ball seats: from DN32 up to DN50
- O-Rings: NBR, FKM, EPDM, MVQ
- Operating pressure: 350 Bar depending on valve size and seal materials selected
- Temp range: -20°C to +100°C depending on seal material selected

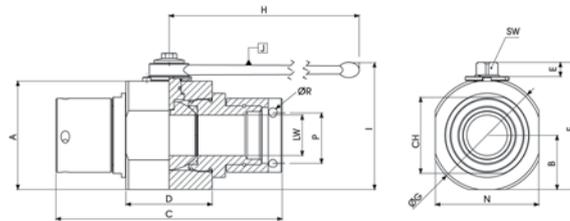
	PBF-38T	SAE32 M	DN32	2	2	1	1	A	B
Type and way of valve	PBF-38T 2-way high pressure ball valves								
Valves dimension of pressure (psi)	MALE FEMALE MALE-FEMALE SAE20 SAE20 SAE20 SAE24 SAE24 SAE24 SAE32 SAE32 SAE32								
Nominal dimension	DN32 DN40 DN50								
Body material	2 1.0570								
Adapter material	2 1.0570								
Stem material	1 1.0737								
Ball material	1 1.0737								
Ball seat material	A POM D PEEK G PA612 K GEMPTFE C PTFE								
Adapter and stem seal material	B NBR E FKM F EPDM L MVQ								

PBF-38T 2-WAY HIGH PRESSURE BALL VALVES



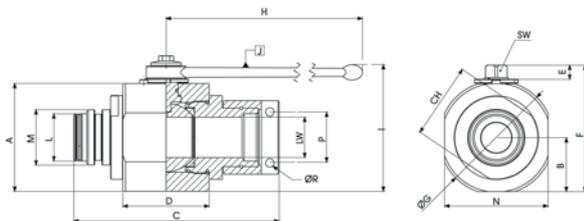
PBF-38T MALE SAEJ1467 (Standard)

TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	L	M	N	CH	SW	LW	WEIGHT Kg
PBF-38T SAE20	35 MPa	32	93	75	163	75	14	112	98	300	112	38	46	88	60	17	32	5,87
PBF-38T SAE24	35 MPa	40	107	85	182	85	14	126	113	300	126	45	56	102	75	17	40	8,257
PBF-38T SAE32	35 MPa	50	114	98	195	98	14	133	123	300	133	56	64	118	85	17	50	10,38



PBF-38T FEMALE SAEJ1467 (Standard)

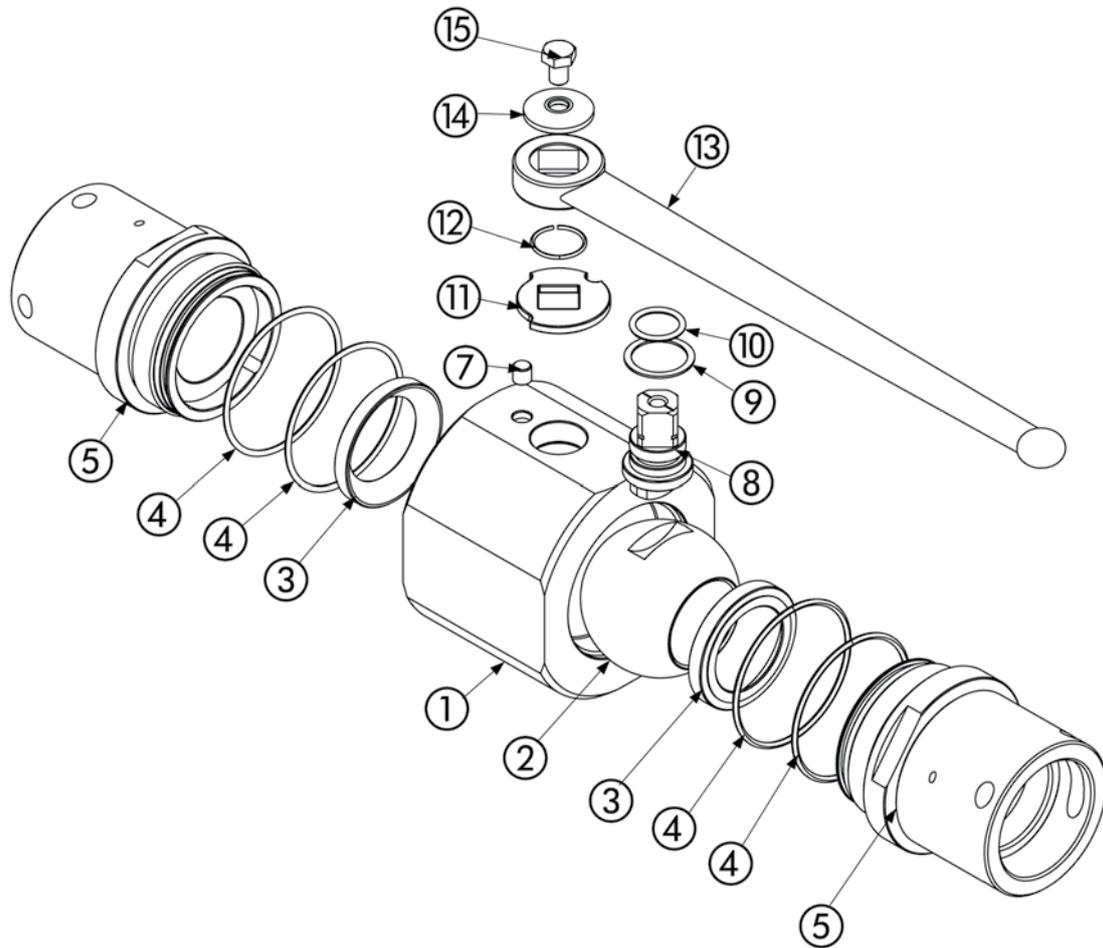
TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	N	CH	P	R	SW	LW	WEIGHT Kg
PBF-38T SAE20	35 MPa	32	93	75	163	75	14	112	98	300	112	88	60	43	8,5	17	32	5,87
PBF-38T SAE24	35 MPa	40	107	85	182	85	14	126	113	300	126	102	75	52	8,5	17	40	8,257
PBF-38T SAE32	35 MPa	50	114	98	195	98	14	133	123	300	133	118	85	62	8,5	17	50	10,38



PBF-38T MALE FEMALE SAEJ1467 (Standard)

TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	L	M	N	CH	P	R	SW	LW	WEIGHT Kg
PBF-38T SAE20	35 MPa	32	93	75	163	75	14	112	98	300	112	38	46	88	60	43	8,5	17	32	5,87
PBF-38T SAE24	35 MPa	40	107	85	182	85	14	126	113	300	126	45	56	102	75	52	8,5	17	40	8,257
PBF-38T SAE32	35 MPa	50	114	98	195	98	14	133	123	300	133	56	64	118	85	62	8,5	17	50	10,38

PBF-38T 2-WAY HIGH PRESSURE BALL VALVES



Pos	Description	Material	Q ta
1	Body	1,0570	1
2	Ball	1,0737	1
3	Ball seat	POM	2
4	Adapter o-ring	NBR	4
5	Adapter	1,0570	2
6	Spine	1,0737	1
7	Stem	1,0737	1
8	Stem ring	POM	1
9	Stem o-ring	NBR	1
10	Washer	1,0116	1
11	Seeger	1,4301	1
12	Handle	1,0116	1
13	Washer	1,0737	1
14	Screw	ISO4017 8.8	1

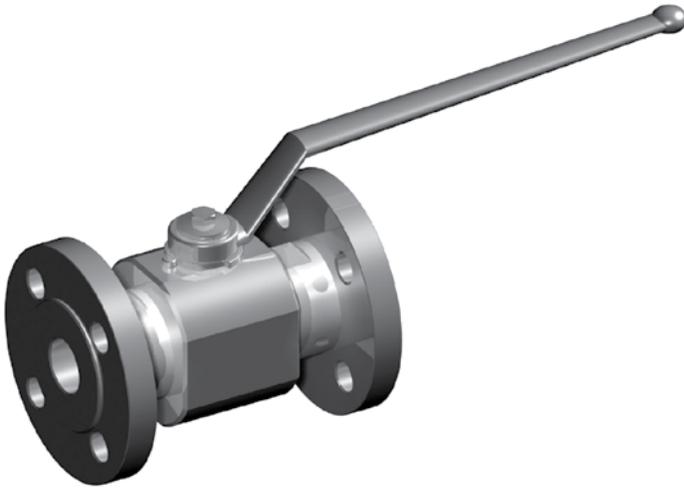
On request

- Reduced bore
- O-Ring in EPDM, FFKM, MQV
- Seals in PEEK, PA 612, RPTFE, PTFE
- Special Threads
- Stem in stainless steel 1,4404
- Ball in stainless steel 1,4404
- Pressure Class PN 100 to PN 350
- Pneumatic and electrical actuator
- Locking device

• For further special requests please consult our technical/commercial service

PBF-39T 2-WAY HIGH PRESSURE BALL VALVES

Carbon Steel / Stainless steel

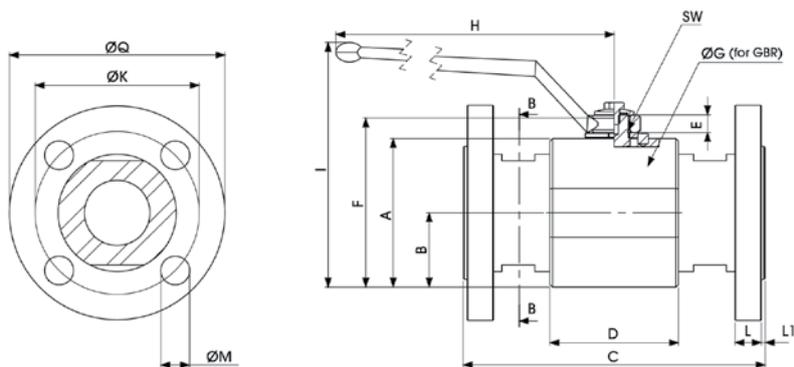


Specifications

- Type: ball valve PBF-39T 2way
- Body: round
- Material: 1.0570 / 1.0737 / 1.4404
- Ball seats: from DN32 up to DN50
- O-Rings: NBR, FKM, EPDM, MVQ
- Operating pressure: PN 350 depending on valve size and seal materials selected
- Temp range: -20°C to +100°C depending on seal material selected (-60°C to +230°C for Stainless steel)

	PBF-39T	RF1	DN32	2	2	1	1	A	B
Type and way of valve	PBF-39T 2-way high pressure ball valves								
Valves dimension of inch	RF1 RF4 DIN3202 F1 DIN3202 F4								
Nominal dimension	DN32 DN40 DN50								
Body material	2 1.0570 4 1.4404								
Adapter material	2 1.0570 4 1.4404								
Stem material	1 1.0737 4 1.4404								
Ball material	1 1.0737 4 1.4404								
Ball seat material	A POM D PEEK G PA612 K PTFE C PTFE								
Adapter and stem seal material	B NBR E FKM F EPDM L MVQ								

PBF-39T 2-WAY HIGH PRESSURE BALL VALVES



PBF-39T DIN3202 F1 10-40

TYPE	PN	DN	A	B	C	D	E	F	G1	G	H	I	L	L1	M	K	Q	SW	WEIGHT Kg
PBF-39T 10/40	4 Mpa	32	93	46,5	180	75	13,5	111,5		98	300	166,5	18	2	4X18	100	140	17	9,46
PBF-39T 10/40	4 Mpa	40	107	53,5	200	85	13,5	125,5		113	300	180,5	20	3	4X18	110	150	17	12,58
PBF-39T 10/40	4 Mpa	50	114	57	230	98	13,5	132,5		123	300	187	20	3	4X18	125	165	17	16,65

PBF-39T DIN3202 F1 63

TYPE	PN	DN	A	B	C	D	E	F	G1	G	H	I	L	L1	M	K	Q	SW	WEIGHT Kg
PBF-39T 63	6,3 Mpa	50	114	57	230	98	13,5	132,5		123	300	187	26	3	4X22	135	180	17	18,7

PBF-39T DIN3202 F1 100-160

TYPE	PN	DN	A	B	C	D	E	F	G1	G	H	I	L	L1	M	K	Q	SW	WEIGHT Kg
PBF-39T 100/160	16 Mpa	32	93	46,5	180	75	13,5	111,5		98	300	166,5	26	2	4X18	110	155	17	11,3
PBF-39T 100/160	16 Mpa	40	107	53,5	200	85	13,5	125,5		113	300	180,5	28	3	4X22	125	170	17	20,5
PBF-39T 100/160	16 Mpa	50	114	57	230	98	13,5	132,5		123	300	187	30	3	4X26	145	195	17	22

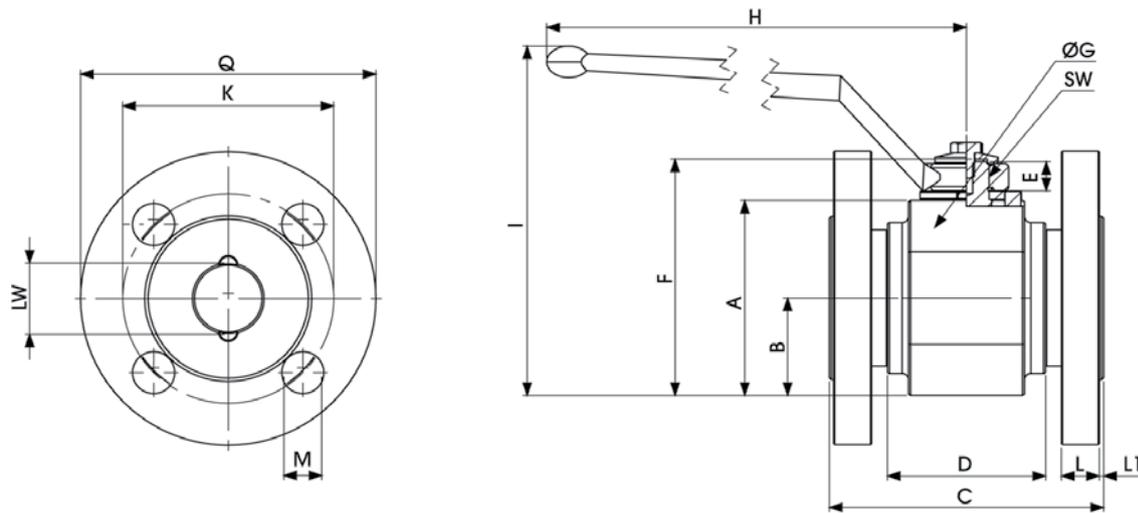
PBF-39T DIN3202 F1 250

TYPE	PN	DN	A	B	C	D	E	F	G1	G	H	I	L	L1	M	K	Q	SW	WEIGHT Kg
PBF-39T 250	25 Mpa	40	107	53,5	200	85	13,5	125,5		113	300	180,5	34	3	4X26	135	185	17	21
PBF-39T 250	25 Mpa	50	114	57	230	98	13,5	132,5		123	300	187	38	3	8X26	150	200	17	25

PBF-39T DIN3202 F1 315

TYPE	PN	DN	A	B	C	D	E	F	G1	G	H	I	L	L1	M	K	Q	SW	WEIGHT Kg
PBF-39T 315	31,5 Mpa	40	107	53,5	200	85	13,5	125,5		113	300	180,5	38	3	4X26	145	195	17	21
PBF-39T 315	31,5 Mpa	50	114	57	230	98	13,5	132,5		123	300	187	42	3	8X26	160	210	17	27,2

PBF-39T 2-WAY HIGH PRESSURE BALL VALVES



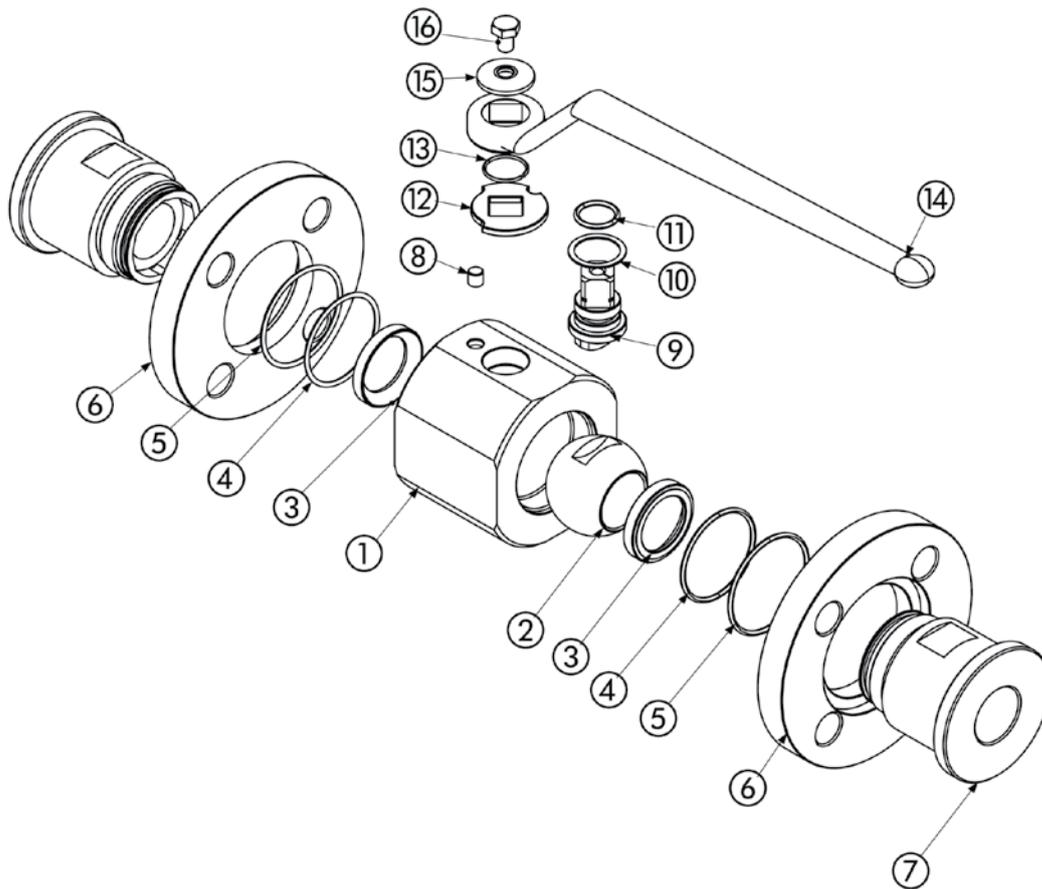
PBF-39T DIN3202 F4 10-16

TYPE	PN	DN	A	B	C	D	E	F	G	H	I	L	L1	M	K	LW	SW	WEIGHT Kg
PBF-39T 10/16	1,6 Mpa	32	93	46,5	130	75	13,5	111,5	98	300	166,5	18	2	4X18	100	32	17	8,007
PBF-39T 10/16	1,6 Mpa	40	107	53,5	140	85	13,5	125,5	113	300	180,5	18	3	4X18	110	40	17	10,242
PBF-39T 10/16	1,6 Mpa	50	114	57	150	98	13,5	132,5	123	300	187	20	3	4X18	125	50	17	13,129

PBF-39T DIN3202 F4 25-40

TYPE	PN	DN	A	B	C	D	E	F	G	H	I	L	L1	M	K	LW	SW	WEIGHT Kg
PBF-39T 25/40	4 Mpa	32	93	46,5	130	75	13,5	111,5	98	300	166,5	18	2	4X18	100	32	17	8,007
PBF-39T 25/40	4 Mpa	40	107	53,5	140	85	13,5	125,5	113	300	180,5	18	3	4X18	110	40	17	10,242
PBF-39T 25/40	4 Mpa	50	114	57	150	98	13,5	132,5	123	300	187	20	3	4X18	125	50	17	13,129

PBF-39T 2-WAY HIGH PRESSURE BALL VALVES



Pos	Description	Material		Q.ta
		C.S.	S.S.	
1	Body	1,0507	1,4404	1
2	Ball	1,0737	1,4404	1
3	Ball seat	POM	POM	2
4	Adapter o-ring	NBR	NBR	2
5	Adapter o-ring	NBR	NBR	2
6	Flange	1,0507	1,4404	2
7	Adapter	1,0507	1,4404	2
8	Spine	1,0737	1,4301	1
9	Stem	1,0737	1,4404	1
10	Stem ring	POM	POM	1
11	Stem o-ring	NBR	NBR	1
12	Washer	1,0116	1,4301	1
13	Seeger	1,4301	1,4301	1
14	Handle	ZINC	ZINC	1
15	Washer	1,0737	1,4301	1
16	Screw	DIN 6921 8.8	DIN 6921 A2	1

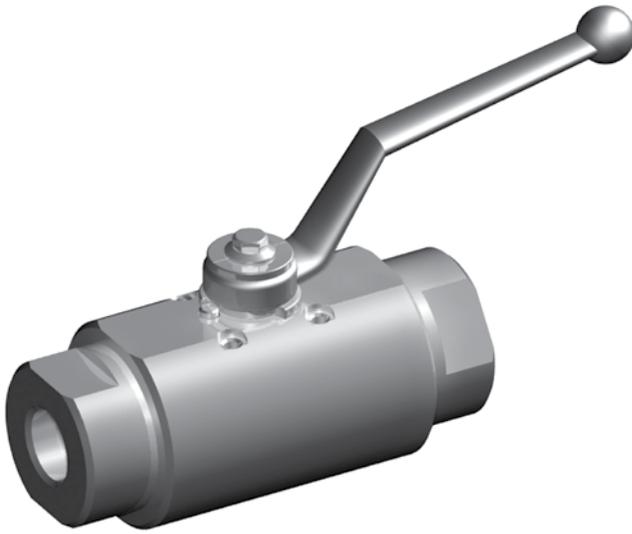
On request

- O-Ring in EPDM, FFKM, MQV
- Seals in PEEK, PA 612, RPTFE, PTFE
- Pressure Class PN 100 to PN 315
- Pneumatic and electrical actuator
- Locking device

• For further special requests please consult our technical/commercial service

PBF-22T 2-WAY HIGH PRESSURE BALL VALVES

Carbon Steel / Stainless steel

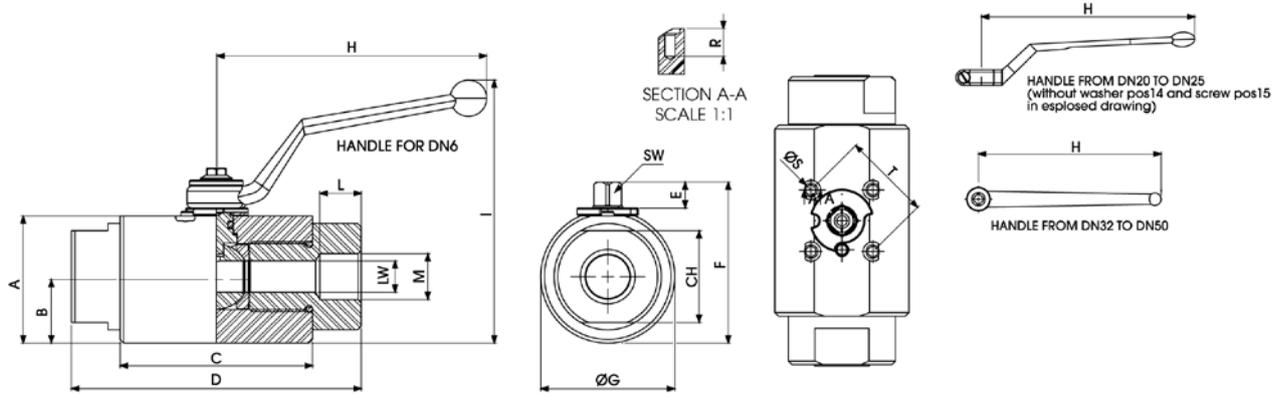


Specifications

- Type: ball valve PBF-22T 2way
- Body: square
- Material: 1.0570 / 1.4404
- Ball seats: from DN13 up to DN50
- O-Rings: NBR, FKM, EPDM, MVQ
- Operating pressure: 370 Bar depending on valve size and seal materials selected
- Temp range: -20°C to +100°C depending on seal material selected (-60°C to +230°C for Stainless steel)

	PBF-22T	G1/2	DN13	2	2	4	4	A	B
Type and way of valve	PBF-22T 2-way high pressure ball valves								
Valves dimension of inch	GAS DIN/ISO 228 G 1/2 G 3/4 G 1" G 1 1/4 R G 1 1/2 R G 2" ANSI/ASME B1.20.1 NPT N 1/2 N 3/4 N 1" N 1 1/4 R N 1 1/2 R N 2"								
Nominal dimension	DN13 DN20 DN25 DN32 DN40 DN50								
Body material	2 1.0570 4 1.4404								
Adapter material	2 1.0570 4 1.4404								
Stem material	4 1.4404								
Ball material	4 1.4404								
Ball seat material	A POM D PEEK G PA612 K PTFE C PTFE								
Adapter and stem seal material	B NBR E FKM F EPDM L MVQ								

PBF-22T 2-WAY HIGH PRESSURE BALL VALVES



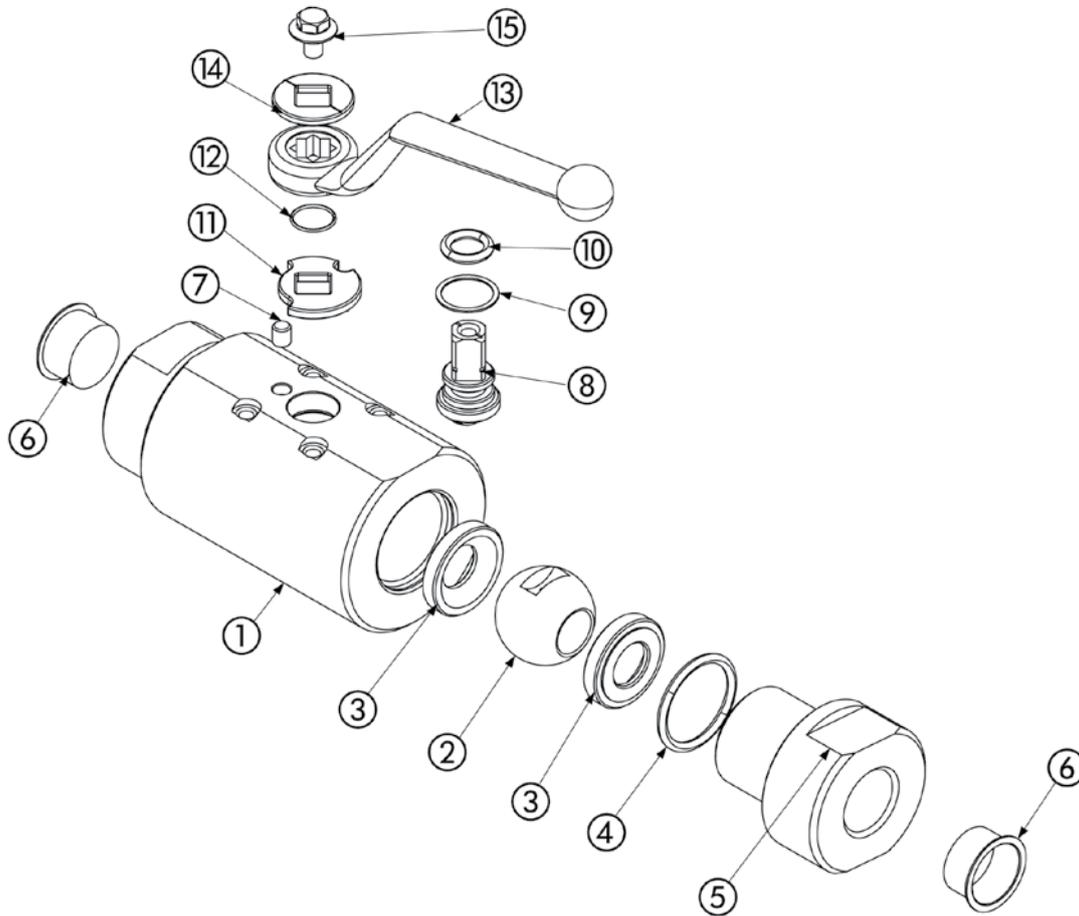
PBF-22T DIN-ISO 228 BSP (Standard)

TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	L	M	CH	T	S	R	SW	LW	WEIGHT Kg
PBF-22T G 1/2	37 MPa	13	53	27,5	119	79	11	66,5	55	110	102,5	17	G 1/2	38	36	M5	9	9	13	1,81
PBF-22T G 3/4	37 MPa	20	70	38,5	149	99	14	88,6	77	180	118	21	G 3/4	55	50	M6	9	14	20	4,378
PBF-22T G 1"	37 MPa	25	80,5	45	168	105	14	99	90	180	129	24	G 1"	60	50	M6	9	14	25	6,219
PBF-22T G 1 1/4"	37 MPa	32	95	48,5	156	106	14	113	97	300	112	25	G 1 1/4"	70	50	M6	9	17	32	6,74
PBF-22T G 1 1/2"	37 MPa	40	111,5	58	166,5	110,5	14	130	116	300	128	25	G 1 1/2"	75	50	M6	9	17	40	10
PBF-22T G 2"	37 MPa	50	118,5	61,5	175	115	14	137	123	300	137	27	G 2"	85	50	M6	9	17	50	11,169

PBF-22T ANSI-ASME B1.20.1 NPT (Standard)

TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	L	M	CH	T	S	R	SW	LW	WEIGHT Kg
PBF-22T N 1/2	37 MPa	13	53	27,5	119	79	11	66,5	55	110	102,5	21	N 1/2	38	36	M5	9	9	13	1,81
PBF-22T N 3/4	37 MPa	20	70	38,5	149	99	14	88,6	77	180	118	21	N 3/4	55	50	M6	9	14	20	4,378
PBF-22T N 1"	37 MPa	25	80,5	45	168	105	14	99	90	180	129	24	N 1"	60	50	M6	9	14	25	6,219
PBF-22T N 1 1/4"	37 MPa	32	95	48,5	156	106	14	113	97	300	112	24	N 1 1/4"	70	50	M6	9	17	32	6,74
PBF-22T N 1 1/2"	37 MPa	40	111,5	58	166,5	110,5	14	130	116	300	128	24	N 1 1/2"	75	50	M6	9	17	40	10
PPBF-22T N 2"	37 MPa	50	118,5	61,5	175	115	14	137	123	300	137	27	N 2"	85	50	M6	9	17	50	11,169

PBF-22T 2-WAY HIGH PRESSURE BALL VALVES



Pos	Description	Material		Q.ta
		C.S.	S.S.	
1	Body	1,0570	1,4404	1
2	Ball	1,4404	1,4404	1
3	Ball seat	POM	POM	2
4	Adapter o-ring	NBR	NBR	1
5	Adapter	1,0570	1,4404	1
6	Caps	PVC	PVC	2
7	Spine	1,0737	1,4301	1
8	Stem	1,4404	1,4404	1
9	Stem ring	POM	POM	1
10	Stem o-ring	NBR	NBR	1
11	Washer	1,0116	1,4301	1
12	Seeger	1,4301	1,4301	1
13	Handle	ZINC	ZINC	1
14	Washer	1,0116	1,4301	1
15	Screw	DIN 6921 8.8	DIN 6921 A2	1

On request

- Reduced bore
- O-Ring in EPDM, FFKM, MQV
- Seals in PEEK, PA 612, RPTFE, PTFE
- Special Threads
- Pressure Class PN 100 to PN 370
- Pneumatic and electrical actuator
- Locking device

• For further special requests please consult our technical/commercial service

PBF-23T 2-WAY HIGH PRESSURE BALL VALVES

Carbon Steel / Stainless steel



Specifications

- Type: ball valve PBF-23T 2way
- Body: round
- Material: 1.0570 / 1.4404
- Ball seats: from DN13 up to DN50
- O-Rings: NBR, FKM, EPDM, MVQ
- Operating pressure: 800 Bar depending on valve size and seal materials selected
- Temp range: -20°C to +100°C depending on seal material selected (-60°C to +230°C for Stainless steel)



PBF-23T G1/2 DN13 2 2 4 4 D E

Type and way of valve _____
PBF-23T 2-way high pressure ball valves

Valves dimension of inch _____

GAS DIN/ISO 228 G 1/2 G 3/4 G 1" G 1 1/4 R G 1 1/2 R G 2"
ANSI/ASME B1.20.1 NPT N 1/2 N 3/4 N 1" N 1 1/4 R N 1 1/2 R N 2"

Nominal dimension _____

DN13 DN20 DN25 DN32 DN40 DN50

Body material _____

2 1.0570
4 1.4404

Adapter material _____

2 1.0570
4 1.4404

Stem material _____

4 1.4404

Ball material _____

4 1.4404

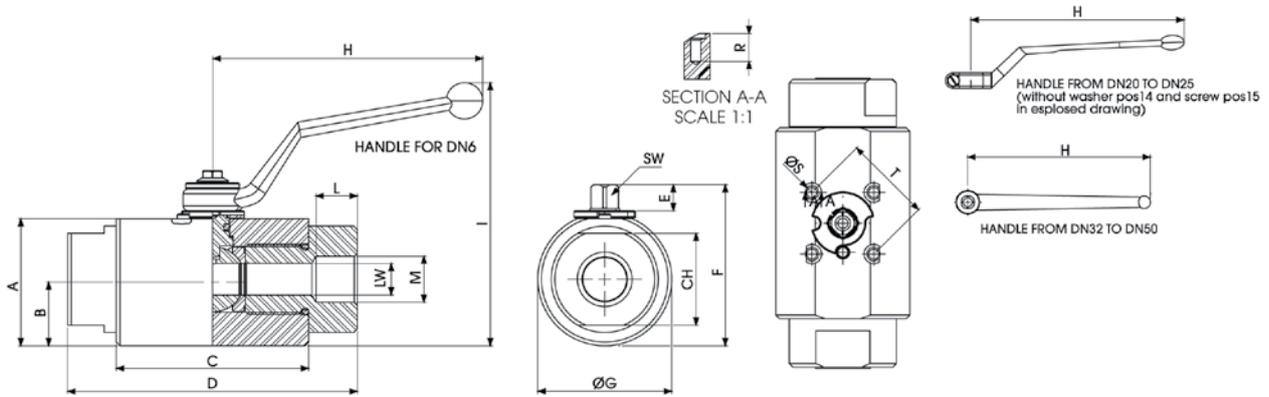
Ball seat material _____

A POM D PEEK G PA612

Adapter and stem seal material _____

B NBR E FKM F EPDM L MVQ

PBF-23T 2-WAY HIGH PRESSURE BALL VALVES



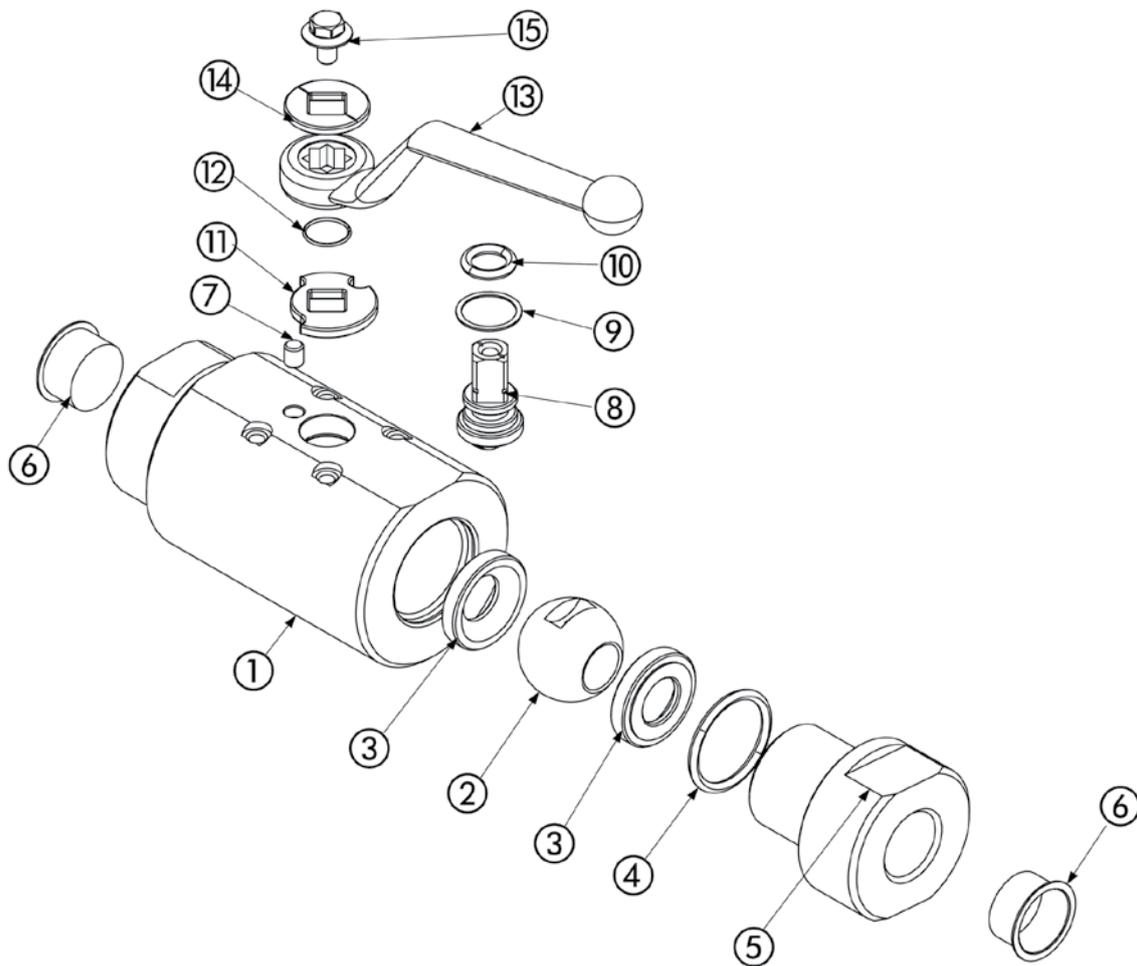
PBF-23T DIN-ISO 228 BSP (Standard)

TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	L	M	CH	T	S	R	SW	LW	WEIGHT Kg	ITEM CODE
PBF-23T G 1/2	80 MPa	13	53	27,5	119	79	11	66,5	55	110	102,5	17	G 1/2	38	36	M5	9	9	13	1,81	PBF-23T T3B024N
PBF-23T G 3/4	80 MPa	20	70	38,5	149	99	14	88,6	77	180	118	21	G 3/4	55	50	M6	9	14	20	4,378	PBF-23T T4B024N
PBF-23T G 1"	80 MPa	25	80,5	45	168	105	14	99	90	180	129	24	G 1"	60	50	M6	9	14	25	6,219	PBF-23T T5B024N
PBF-23T G 1"	50 MPa	32	95	48,5	156	106	14	113	97	300	112	25	G 1 1/4	70	50	M6	9	17	32	6,74	PBF-23T T65024N
PBF-23T G 1"	50 MPa	40	111,5	58	166,5	110,5	14	130	116	300	128	25	G 1 1/2	75	50	M6	9	17	40	10	PBF-23T T75024N
PBF-23T G 2"	50 MPa	50	118,5	61,5	175	115	14	137	123	300	137	27	G 2"	85	50	M6	9	17	50	11,169	PBF-23T T85024N

PBF-23T ANSI-ASME B1.20.1 NPT (Standard)

TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	L	M	CH	T	S	R	SW	LW	WEIGHT Kg
PBF-23T N 1/2	80 MPa	13	53	27,5	119	79	11	66,5	55	110	102,5	21	N 1/2	38	36	M5	9	9	13	1,81
PBF-23T N 3/4	80 MPa	20	70	38,5	149	99	14	88,6	77	180	118	21	N 3/4	55	50	M6	9	14	20	4,378
PBF-23T N 1"	80 MPa	25	80,5	45	168	105	14	99	90	180	129	24	N 1"	60	50	M6	9	14	25	6,219
PBF-23T N 1" 1/4	50 MPa	32	95	48,5	156	106	14	113	97	300	112	24	N 1 1/4	70	50	M6	9	17	32	6,74
PBF-23T N 1" 1/2	50 MPa	40	111,5	58	166,5	110,5	14	130	116	300	128	24	N 1 1/2	75	50	M6	9	17	40	10
PBF-23T N 2"	50 MPa	50	118,5	61,5	175	115	14	137	123	300	137	27	N 2"	85	50	M6	9	17	50	11,169

PBF-23T 2-WAY HIGH PRESSURE BALL VALVES



Pos	Description	Material		Q.ta
		C.S.	S.S.	
1	Body	1,0570	1,4404	1
2	Ball	1,4404	1,4404	1
3	Ball seat	PEEK	PEEK	2
4	Adapter o-ring	VITON	VITON	1
5	Adapter	1,0570	1,4404	1
6	Caps	PVC	PVC	2
7	Spine	1,0737	1,4301	1
8	Stem	1,4404	1,4404	1
9	Stem ring	PEEK	PEEK	1
10	Stem o-ring	VITON	VITON	1
11	Washer	1,0116	1,4301	1
12	Seeger	1,4301	1,4301	1
13	Handle	ZINC	ZINC	1
14	Washer	1,0116	1,4301	1
15	Screw	DIN 6921 8.8	DIN 6921 8.8	1

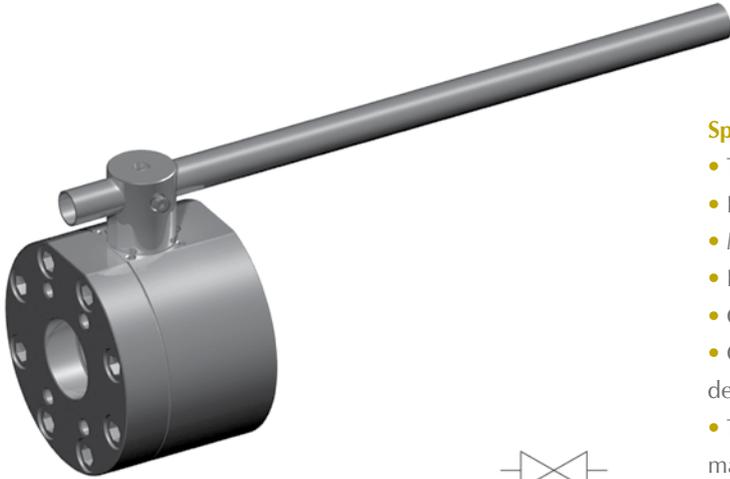
On request

- Reduced bore
- O-Ring in EPDM, FFKM, MQV
- Seals in PEEK, PA 612
- Special Threads
- Pressure Class PN 100 to PN 800
- Pneumatic and electrical actuator
- Locking device

• For further special requests please consult our technical/commercial service

PBF-22S 2-WAY HIGH PRESSURE BALL VALVES

Carbon Steel / Stainless steel



Specifications

- Type: ball valve PBF22S 2way
- Body: round
- Material: 1.0570 /1.0570 (STEM IN 1.4542) / 1.4404
- Ball seats: from DN13 up to DN125
- O-Rings: NBR, FKM, EPDM, MVQ
- Operating pressure: S3000 (210 bar) S6000 (420 bar) depending on valve size and seal materials selected
- Temp range: -20°C to +100°C depending on seal material selected (-60°C to +230°C for Stainless steel)

PBF-22S S3 DN50 2 2 M 2 A B

Type and way of valve _____
PBF22S 2-way high pressure ball valves

Valves dimension of pressure (psi) _____
S3 S6
S3000 S6000

Nominal dimension _____
DN13 DN20 DN25 DN32 DN40
DN50 DN65 DN80 DN100 DN125

Body material _____
2 1.0570
4 1.4404

Adapter material _____
2 1.0570
4 1.4404

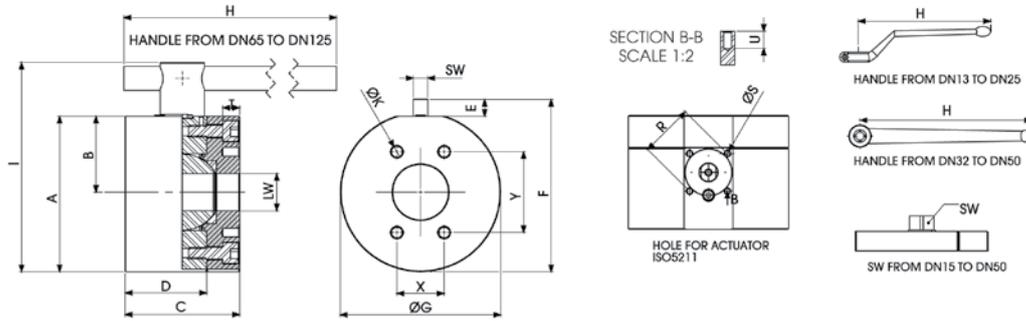
Stem material _____
M 1.4542

Ball material _____
2 1.0570
4 1.4404

Ball seat material _____
A POM D PEEK G PA612 K PTFE C PTFE

Adapter and stem seal material _____
B NBR E FKM F EPDM L MVQ

PBF-22S 2-WAY HIGH PRESSURE BALL VALVES



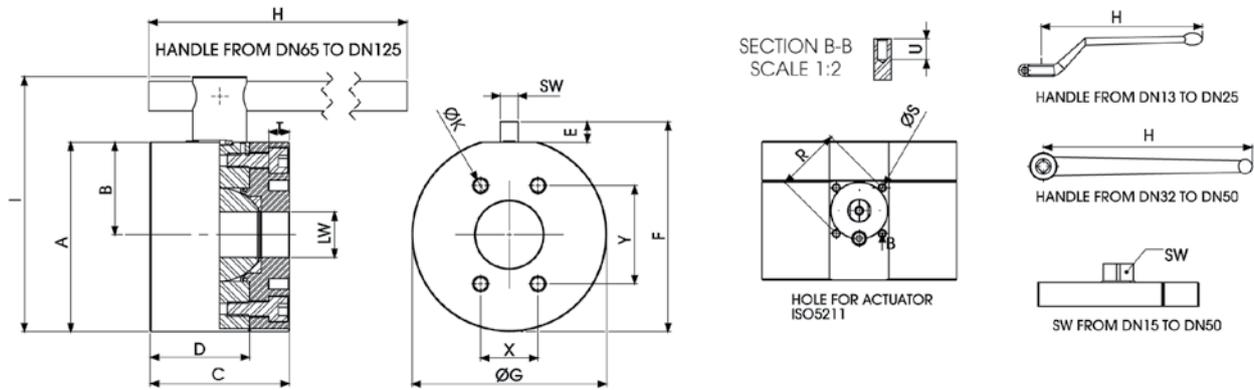
PBF22S SAE J518 S3000 (Standard)

TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	Y	X	K	R	ØS	T	U	SW	LW	WEIGHT Kg
PBF22S3	21 MPa	15	67	28	75	58	11	78,3	78	110	78,5	38,1	17,48	M8	36	M5	18	10	9	13	2,405
PBF22S3	21 MPa	20	85,5	36,5	80	60	14	100	103	180	103	47,6	22,2	M10	50	M6	18	10	14	20	3,902
PBF22S3	21 MPa	25	98,5	39,5	88	69	14	113	118	180	146	52,4	26,2	M10	50	M6	19	10	14	25	6,317
PBF22S3	21 MPa	32	143,5	70,9	100	73	14	162	145	300	171	58,7	30,2	M10	50	M6	20	10	17	32	12,228
PBF22S3	21 MPa	40	160	78	110	80	14	178,5	165	300	187,5	69,8	35,7	M12	50	M6	20	10	17	38	16,867
PBF22S3	21 MPa	50	192	93	116	90	14	205,5	196	300	214,5	77,8	42,9	M12	70	M8	20	10	17	48	25,606
PBF22S3	21 MPa	65	198	93	150	107	20,5	212	203	600	260	88,9	50,8	M12	70	M8	20	13	19	63	32,717
PBF22S3	21 MPa	80	205	100	150	107	22	227,5	210	600	279	106,4	61,9	M16	70	M8	24	13	19	73	36,413
PBF22S3	21 MPa	100	251	122	170	132	27	278	258	600	325	130,2	77,9	M16	102	M10	24	13	24	95	61,273
PBF22S3	21 MPa	125	288	140	210	160	35	322	310	600	372,5	152,4	92,1	M16	125	M12	30	17	36	115	98,048

PBF22S SAE J518 S3000 UNC (Standard)

TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	Y	X	K	R	ØS	T	U	SW	LW	WEIGHT Kg
PBF22S3	21 MPa	15	67	28	75	58	11	78,3	78	110	78,5	38,1	17,48	5/16 UNC	36	M5	18	10	9	13	2,405
PBF22S3	21 MPa	20	85,5	36,5	80	60	14	100	103	180	103	47,6	22,2	3/8 UNC	50	M6	18	10	14	20	3,902
PBF22S3	21 MPa	25	98,5	39,5	88	69	14	113	118	180	146	52,4	26,2	3/8 UNC	50	M6	19	10	14	25	6,317
PBF22S3	21 MPa	32	143,5	70,9	100	73	14	162	145	300	171	58,7	30,2	7/16 UNC	50	M6	20	10	17	32	12,228
PBF22S3	21 MPa	40	160	78	110	80	14	178,5	165	300	187,5	69,8	35,7	1/2 UNC	50	M6	20	10	17	38	16,867
PBF22S3	21 MPa	50	192	93	116	90	14	205,5	196	300	214,5	77,8	42,9	1/2 UNC	70	M8	20	10	17	48	25,606
PBF22S3	21 MPa	65	198	93	150	107	20,5	212	203	600	260	88,9	50,8	1/2 UNC	70	M8	20	13	19	63	32,717
PBF22S3	21 MPa	80	205	100	150	107	22	227,5	210	600	279	106,4	61,9	5/8 UNC	70	M8	24	13	19	73	36,413
PBF22S3	21 MPa	100	251	122	170	132	27	278	258	600	325	130,2	77,9	5/8 UNC	102	M10	24	13	24	95	61,273
PBF22S3	21 MPa	125	288	140	210	160	35	322	310	600	372,5	152,4	92,1	5/8 UNC	125	M12	30	17	36	115	98,048

PBF-22S 2-WAY HIGH PRESSURE BALL VALVES



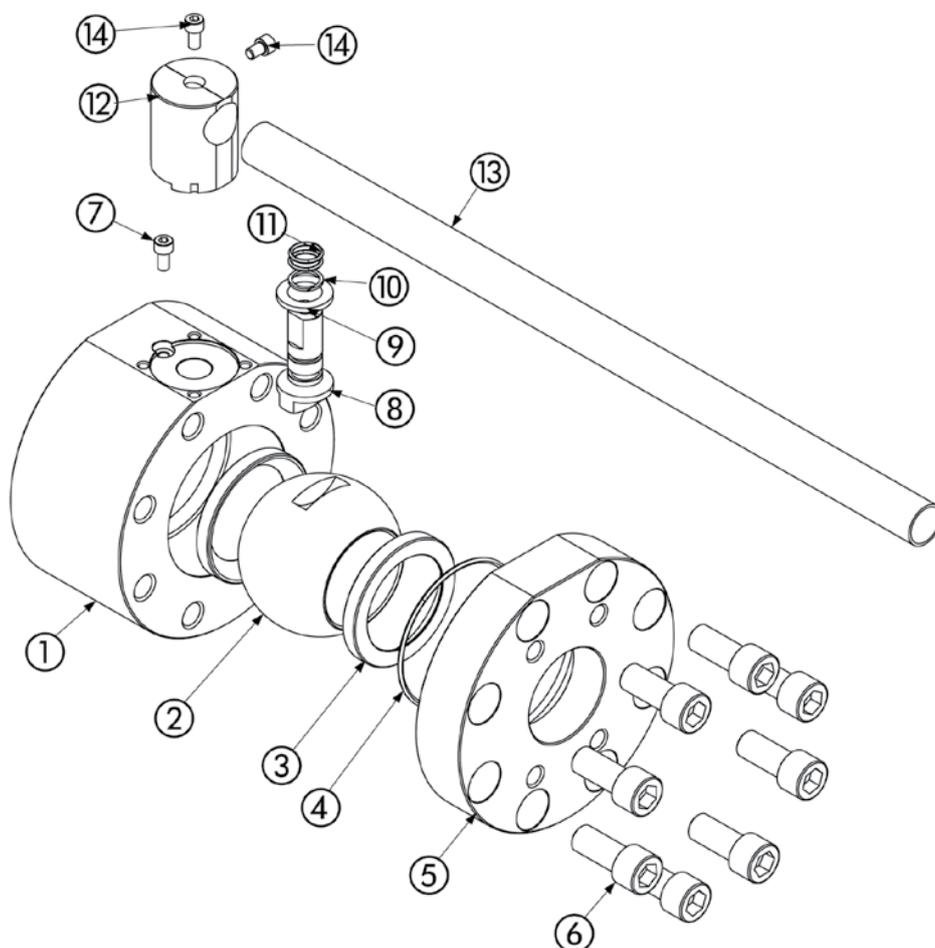
PBF22S SAE J518 S6000 (Standard)

TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	Y	X	K	R	ØS	T	U	SW	LW	WEIGHT Kg
PBF22S6	42 MPa	15	67	28	75	58	11	78,3	78	110	78,5	40,49	18,24	M8	36	M5	18	10	9	13	2,405
PBF22S6	42 MPa	20	85,5	36,5	80	60	14	100	103	180	103	50,8	23,8	M10	50	M6	18	10	14	20	3,902
PBF22S6	42 MPa	25	98,5	39,5	88	69	14	113	118	180	146	57,2	27,8	M12	50	M6	19	10	14	25	6,317
PBF22S6	42 MPa	32	143,5	70,9	100	73	14	162	145	300	171	66,7	31,8	M14	50	M6	22	10	17	32	12,228
PBF22S6	42 MPa	40	160	78	110	80	14	178,5	165	300	187,5	79,4	36,5	M16	50	M6	22	10	17	38	16,867
PBF22S6	42 MPa	50	192	93	116	90	14	205,5	196	300	214,5	96,8	44,5	M20	70	M8	28	10	17	48	25,606

PBF22S SAE J518 S6000 UNC (Standard)

TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	Y	X	K	R	ØS	T	U	SW	LW	WEIGHT Kg
PBF22S6	42 MPa	15	67	28	75	58	11	78,3	78	110	78,5	40,49	18,24	5/16 UNC	36	M5	18	10	9	13	2,405
PBF22S6	42 MPa	20	85,5	36,5	80	60	14	100	103	180	103	50,8	23,8	3/8 UNC	50	M6	18	10	14	20	3,902
PBF22S6	42 MPa	25	98,5	39,5	88	69	14	113	118	180	146	57,2	27,8	7/16 UNC	50	M6	19	10	14	25	6,317
PBF22S6	42 MPa	32	143,5	70,9	100	73	14	162	145	300	171	66,7	31,8	1/2 UNC	50	M6	22	10	17	32	12,228
PBF22S6	42 MPa	40	160	78	110	80	14	178,5	165	300	187,5	79,4	36,5	5/8 UNC	50	M6	22	10	17	38	16,867
PBF22S6	42 MPa	50	192	93	116	90	14	205,5	196	300	214,5	96,8	44,5	3/4 UNC	70	M8	28	10	17	48	25,606

PBF-22S 2-WAY HIGH PRESSURE BALL VALVES



Pos	Description	Material		Q.ta
		C.S.	S.S.	
1	Body	1,0570	1,4404	1
2	Ball	1,0570	1,4404	1
3	Ball seat	POM	POM	2
4	Adapter o-ring	NBR	NBR	4
5	Flange	1,0570	1,4404	1
6	Screw	ISO 4762 8.8	ISO 4762 A2	8
7	Spine Screw	ISO 4762 8.8	ISO 4762 A2	1
8	Stem	1,4542	1,4542	1
9	Stem ring	POM	POM	1
10	Back-up ring	PTFE	PTFE	1
11	Stem o-ring	NBR	NBR	2
12	Coupling	1,0737	1,4404	1
13	Handle	1,0116	1,4404	1
14	Screw	ISO 4762 8.8	ISO 4762 A2	2

On request

- O-Ring in EPDM, FFKM, MQV
- Seals in PEEK, PA 612, RPTFE, PTFE
- Special Threads
- Pressure Class PN 100 to PN 420
- Pneumatic and electrical actuator
- Locking device

• For further special requests please consult our technical/commercial service

PBF-23S 2-WAY HIGH PRESSURE BALL VALVES

Carbon Steel / Stainless steel



Specifications

- Type: ball valve PBF-23S 2way
- Body: round
- Material: 1.0570/1.0570 (FOR STEM 1.4542) / 1.4404
- Ball seats: from DN80 up to DN125
- O-Rings: NBR, FKM, EPDM, MVQ
- Operating pressure: PN250-PN350-PN400 depending on valve size and seal materials selected
- Temp range: -20°C to +100°C depending on seal material selected (-60°C to +230°C for Stainless steel)

PBF-23S 250 DN50 2 2 M 2 A B

Type and way of valve

PBF-23S 2-way high pressure ball valves

Valves pressure (bar)

250 350 400

Nominal dimension

DN25 DN32 DN40 DN50
DN65 DN80 DN100 DN125

Body material

2 1.0570
4 1.4404

Adapter material

2 1.0570
4 1.4404

Stem material

M 1.4542

Ball material

2 1.0570
4 1.4404

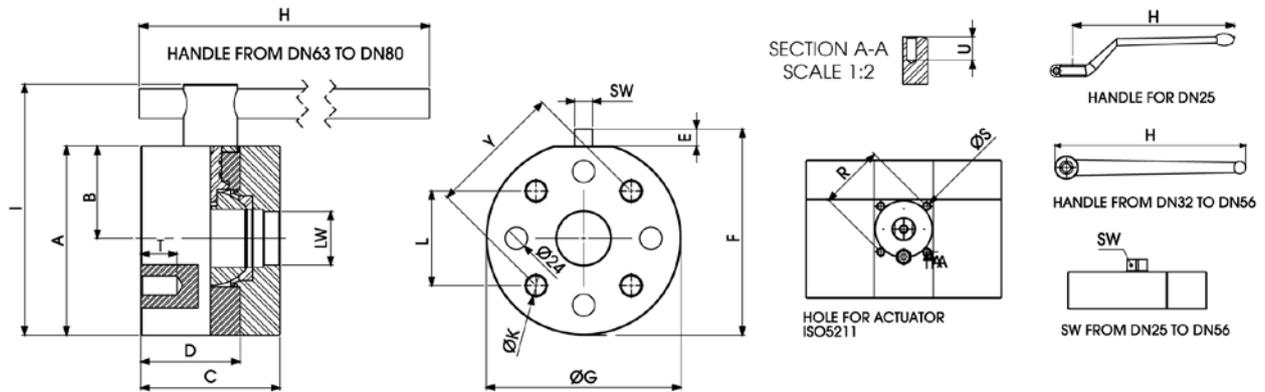
Ball seat material

A POM D PEEK G PA612 K PTFE C PTFE

Adapter and stem seal material

B NBR E FKM F EPDM L MVQ

PBF-23S 2-WAY HIGH PRESSURE BALL VALVES



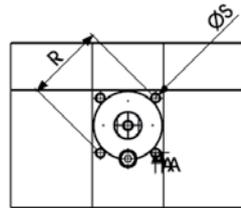
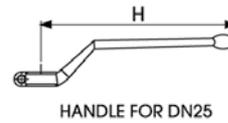
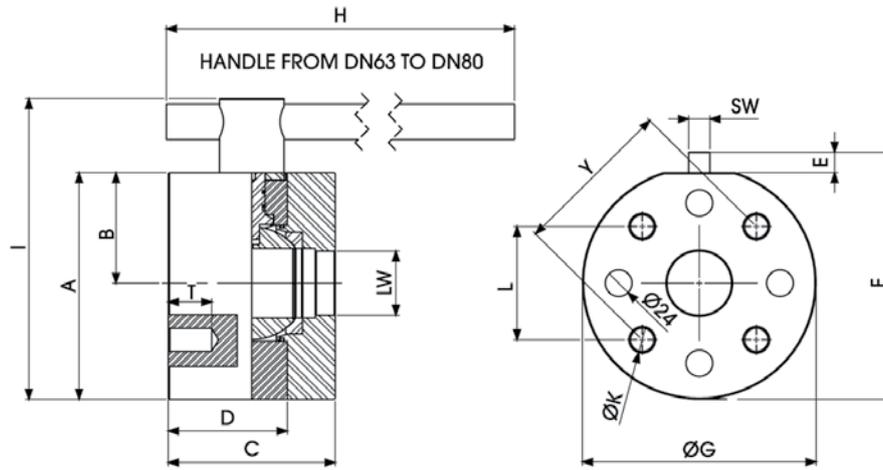
PBF-23S CETOP250 ISO6164 (Standard)

TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	L	Y	K	R	ØS	T	U	SW	LW	WEIGHT Kg
PBF-23S	25 MPa	25	98,5	39,5	88	69	14	113	118	180	146	43,8	62	4xM10	50	M6	20	10	14	25	6,317
PBF-23S	25 MPa	32	143,5	71	100	73	14	162	145	300	171	51,6	73	4xM12	50	M6	21	10	17	32	12,228
PBF-23S	25 MPa	38	160	78	110	80	14	178,5	165	300	187,5	60,1	85	4xM16	50	M6	24,5	10	17	38	16,867
PBF-23S	25 MPa	51	192	93	116	90	14	206	198	300	214,5	69,3	98	4xM16	70	M8	25,5	10	17	47	32,855
PBF-23S	25 MPa	56	192	93	150	107	14	206	198	600	214,5	83,4	118	4xM20	70	M8	33	10	17	58	32,855
PBF-23S	25 MPa	63	205	100	150	107	18	223	210	600	272	102,5	145	4xM20	70	M8	36	13	19	70	36,569

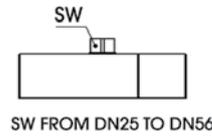
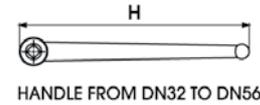
PBF-23S CETOP350 ISO6164 (Standard)

TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	L	Y	K	R	ØS	T	U	SW	LW	WEIGHT Kg
PBF-23S	35 MPa	25	102,5	39,5	88	69	14	117	126	180	117	50,9	72	4xM12	50	M6	20	10	14	25	7,2
PBF-23S	35 MPa	32	141	68	105	75,5	14	158	145	300	158	56,6	80	4xM16	50	M6	24	10	17	32	12,5
PBF-23S	35 MPa	40	161	78	110	80	14	178	165	300	178	69,5	98	4xM16	50	M6	25	10	17	38	16,6
PBF-23S	35 MPa	50	193	94	116	90	14	210	198	300	210	83,5	118	4xM20	70	M8	28	10	17	48	25
PBF-23S	35 MPa	65	204	100	150	107	21	224	208	600	270	102,5	145	4xM24	70	M8	36	10	19	63	44
PBF-23S	35 MPa	80	208	100	150	107	22	233,5	215	600	279	123,7	175	4xM30	70	M8	36	13	19	75	45
PBF-23S	35 MPa	100	251	122	200	147	26,5	227	258	600	327	141,5	200	8xM24	102	M10	40	13	24	95	70
PBF-23S	35 MPa	125	303	148	220	170	32	330	310	900	389	-	245	8xM30	125	M12	40	13	36	118	109

PBF-23S 2-WAY HIGH PRESSURE BALL VALVES



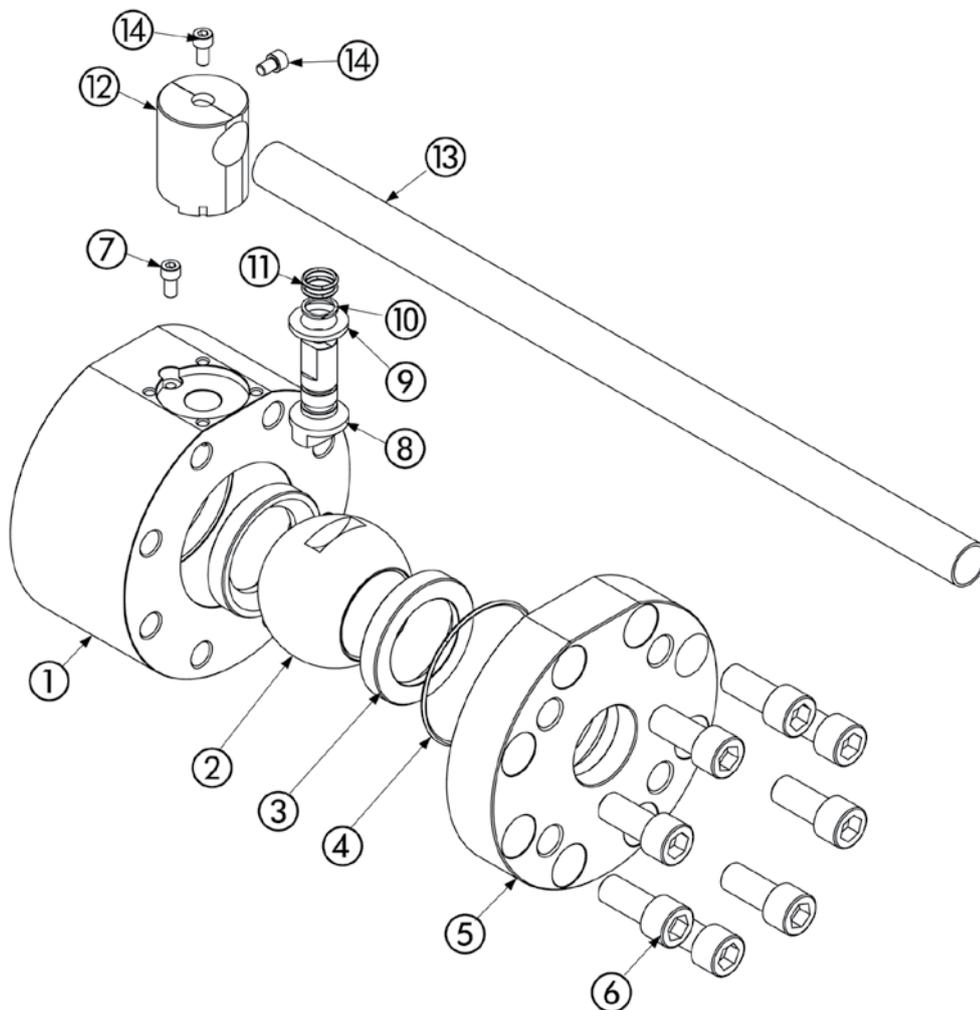
HOLE FOR ACTUATOR
ISO5211



PBF-23S CETOP400 ISO6164 (Standard)

TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	L	Y	K	R	ØS	T	U	SW	LW	WEIGHT Kg
PBF-23S400	40 MPa	25	98,5	39,5	88	69	14	113	118	180	146	43,8	62	4xM10	50	M6	20	10	14	22	6,317
PBF-23S400	40 MPa	32	143,5	71	100	73	14	162	145	300	171	51,6	73	4xM12	50	M6	21	10	17	29	12,228
PBF-23S400	40 MPa	38	160	78	110	80	14	178,5	165	300	187,5	60,1	85	4xM16	50	M6	24,5	10	17	35	16,867
PBF-23S400	40 MPa	51	192	93	116	90	14	206	198	300	214,5	69,3	98	4xM16	70	M8	25,5	10	17	43	32,855
PBF-23S400	40 MPa	56	192	93	150	107	14	206	198	600	214,5	83,4	118	4xM20	70	M8	33	10	17	53	32,855
PBF-23S400	40 MPa	63	205	100	150	107	18	223	210	600	272	102,5	145	4xM24	70	M8	36	13	19	58	36,569
PBF-23S400	40 MPa	80	251	122	170	132	26,5	278	258	600	325	123,7	175	4xM30	102	M10	38	13	24	74	65,411

PBF-23S 2-WAY HIGH PRESSURE BALL VALVES



Pos	Description	Material		Q.ta
		C.S.	S.S.	
1	Body	1,0570	1,4404	1
2	Ball	1,0570	1,4404	1
3	Ball seat	POM	POM	2
4	Adapter o-ring	NBR	NBR	4
5	Flange	1,0570	1,4404	1
6	Screw	ISO 4762 8.8	ISO 4762 A2	8
7	Spine Screw	ISO 4762 8.8	ISO 4762 A2	1
8	Stem	1,4542	1,4542	1
9	Stem ring	POM	POM	1
10	Back-up ring	PTFE	PTFE	1
11	Stem o-ring	NBR	NBR	2
12	Coupling	1,0737	1,4404	1
13	Handle	1,0116	1,4404	1
14	Screw	ISO 4762 8.8	ISO 4762 A2	2

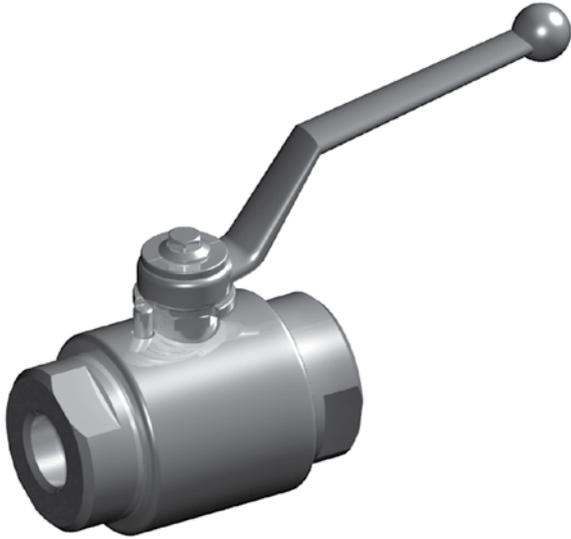
On request

- O-Ring in EPDM, FFKM, MQV
- Seals in PEEK, PA 612, RPTFE, PTFE
- Special Threads
- Pressure Class PN 250 to PN 400
- Pneumatic and electrical actuator
- Locking device

• For further special requests please consult our technical/commercial service

PBF-310T 2-WAY HIGH PRESSURE BALL VALVES

Carbon Steel / Stainless steel



Specifications

- Type: ball valve PBF-310T 2way
- Body: round
- Material: 1,0570/1,4404
- Ball seats: from DN6 up to DN100
- O-Rings: NBR, FKM, EPDM, MVQ
- Operating pressure: 50 Bar to 500 Bar
S800 to S3000 PN depending on valve size and seal materials selected
- Fire safe BS 6755
- Antistatic device
- Temp range: -20°C to +100°C depending on seal material selected (-60°C to +230°C for Stainless steel)



PBF-310T

G 1/2

DN13

A105

316L

POM

Type and way of valve

PBF-310T 2-way high pressure ball valves

Valves dimension of inch

BW	SW	SW	SAE	ANSI/ASME	GAS DIN/
	EXTRALONG		J1926-1	B1.20.1 NPT	ISO 228
BW 1/4	SWXT 1/4	SW 1/4	SAE6	N 1/4	G 1/4
BW 3/8	SWXT 3/8	SW 3/8	SAE8	N 3/8	G 3/8
BW 1/2	SWXT 1/2	SW 1/2	SAE12	N 1/2	G 1/2
BW 3/4	SWXT 3/4	SW 3/4	SAE16	N 3/4	G 3/4
BW 1"	SWXT 1"	SW 1"	SAE20	N 1"	G 1"
BW 1"1/4	SWXT 1"1/4	SW 1"1/4	SAE24	N 1"1/4	G 1"1/4
BW 1"1/2	SWXT 1"1/2	SW 1"1/2	SAE32	N 1"1/2	G 1"1/2
BW 2"	SWXT 2"	SW 2"		N 2"	G 2"
BW 2"1/2	SWXT 2"1/2	SW 2"1/2		N 2"1/2	G 2"1/2
BW 3"	SWXT 3"	SW 3"		N 3"	G 3"
BW 4"	SWXT 4"	SW 4"		N 4"	G 4"

Nominal dimension

DN6 DN10 DN13 DN20 DN25 DN32
DN40 DN50 DN65 DN80 DN100

Body and adapter material

A105 1,0570
316L 1,4404

Stem and ball material

316L 1,4404

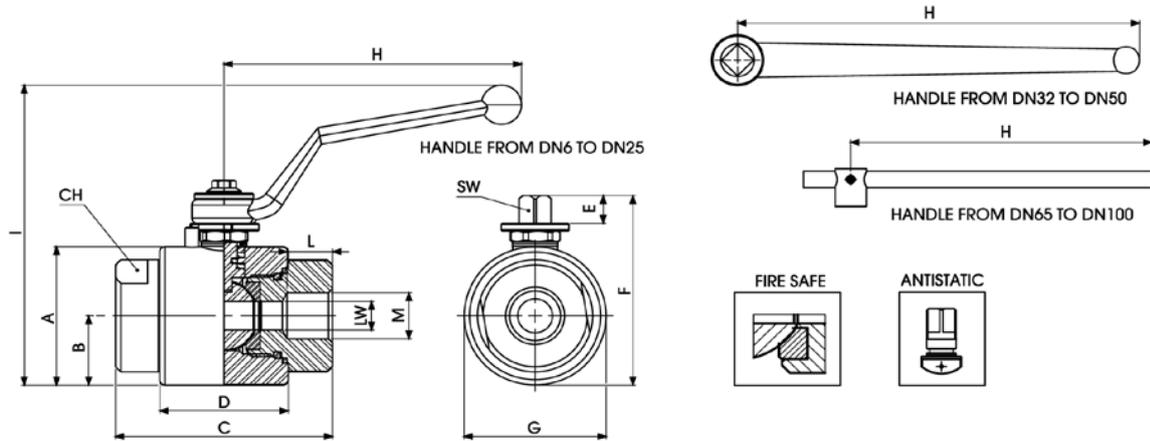
Ball seat material

A POM D PEEK G PA612 K PTFE C PTFE

Adapter and stem seal material

B NBR E FKM F EPDM L MVQ

PBF-310T 2-WAY HIGH PRESSURE BALL VALVES



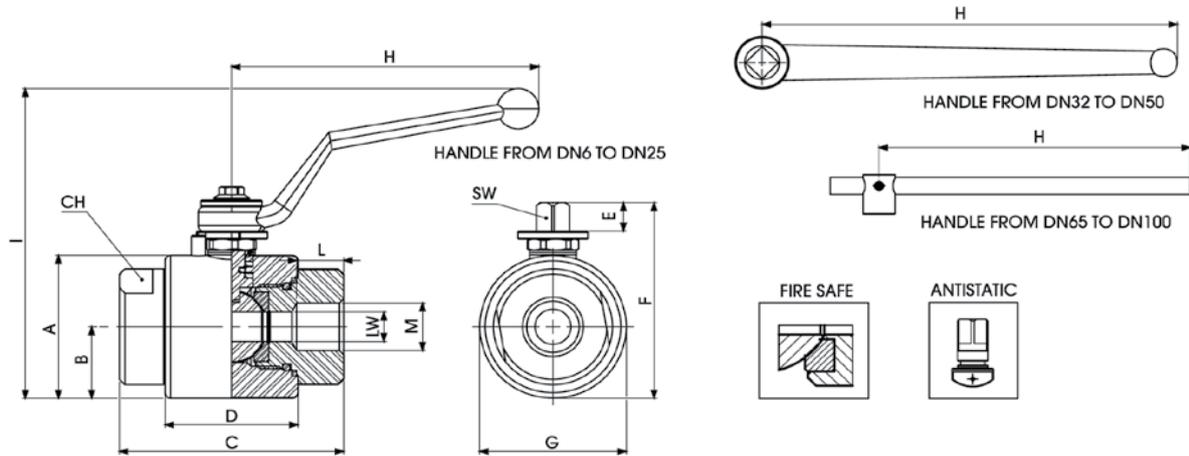
PBF-310T DIN ISO 228 BSP

TYPE	DN	A	B	C	D	E	F	ØG	H	I	L	M	CH	SW	LW	WEIGHT Kg
PBF-310T G 1/4	6	-	23,5	72	44	10,5	66,5	47	110	109	15,5	G 1/4	32	9	6	0,869
PBF-310T G 3/8	10	-	23,5	72	44	10,5	66,5	47	110	109	15,5	G 3/8	32	9	10	0,844
PBF-310T G 1/2	13	-	26,5	81	48	10,5	72,5	53	110	115	17	G 1/2	38	9	13	1,151
PBF-310T G 3/4	20	-	31,5	98	62	14	90	63	180	122	21	G 3/4	48	14	20	2,109
PBF-310T G 1"	25	-	36,5	106	66	14	99	73	180	133	24	G 1"	55	14	25	2,872
PBF-310T G 1" 1/4	32	-	42	127	83	14	111	84	300	120,5	25	G 1" 1/4	65	17	32	4,557
PBF-310T G 1" 1/2	40	-	49,5	135	89	14	126	99	300	134,5	25	G 1" 1/2	80	17	40	6,482
PBF-310T G 2"	50	-	56	160	101	14	132	104	300	140,5	27	G 2"	90	17	50	7,966
PBF-310T G 2" 1/2	65	140	70	174	105	23,5	176,5	150	600	226	32	G 2" 1/2	110	19	65	17,506
PBF-310T G 3"	80	155	77,5	191,5	114	23,5	191	167	600	241	32	G 3"	125	19	80	22,896
PBF-310T G 4"	100	188	94	230	148	31	231,5	200	600	278,5	40	G 4"	150	19	100	36,999

PBF-310T ANSI/ASME B1.20.1 NPT

TYPE	DN	A	B	C	D	E	F	ØG	H	I	L	M	CH	SW	LW	WEIGHT Kg
PBF-310T N 1/4	6	-	23,5	72	44	10,5	66,5	47	110	109	17	N 1/4	32	9	6	0,869
PBF-310T N 3/8	10	-	23,5	72	44	10,5	66,5	47	110	109	17	N 3/8	32	9	10	0,844
PBF-310T N 1/2	13	-	26,5	81	48	10,5	72,5	53	110	115	21	N 1/2	38	9	13	1,151
PBF-310T N 3/4	20	-	31,5	98	62	14	90	63	180	122	21	N 3/4	48	14	20	2,109
PBF-310T N 1"	25	-	36,5	106	66	14	99	73	180	133	24	N 1"	55	14	25	2,872
PBF-310T N 1" 1/4	32	-	42	127	83	14	111	84	300	120,5	25	N 1" 1/4	65	17	32	4,557
PBF-310T N 1" 1/2	40	-	49,5	135	89	14	126	99	300	134,5	25	N 1" 1/2	80	17	40	6,482
PBF-310T N 2"	50	-	56	160	101	14	132	104	300	140,5	27	N 2"	90	17	50	7,966
PBF-310T N 2" 1/2	65	140	70	174	105	23,5	176,5	150	600	226	32	N 2" 1/2	110	19	65	17,506
PBF-310T N 3"	80	155	77,5	191,5	114	23,5	191	167	600	241	32	N 3"	125	19	80	22,896
PBF-310T N 4"	100	188	94	230	148	31	231,5	200	600	278,5	40	N 4"	150	19	100	36,999

PBF-310T 2-WAY HIGH PRESSURE BALL VALVES



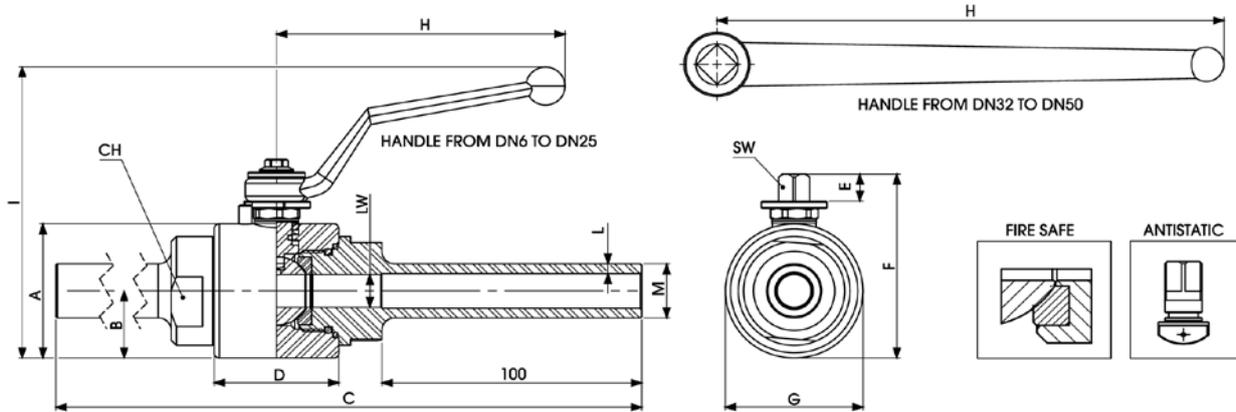
PBF-310T SAE J1926-1

TYPE	DN	A	B	C	D	E	F	ØG	H	I	L	M	CH	SW	LW	WEIGHT Kg
PBF-310T SAE4	6	-	23,5	72	44	10,5	66,5	47	110	109	15,5	7/16 UNF	32	9	6	0,869
PBF-310T SAE6	10	-	23,5	72	44	10,5	66,5	47	110	109	16	9/16 UNF	32	9	10	0,844
PBF-310T SAE8	13	-	26,5	81	48	10,5	72,5	53	110	115	17,5	3/4 UNF	38	9	13	1,151
PBF-310T SAE12	20	-	31,5	98	62	14	90	63	180	122	23	1"1/16 UN	48	14	20	2,109
PBF-310T SAE16	25	-	36,5	106	66	14	99	73	180	133	24	1"5/16 UN	55	14	25	2,872
PBF-310T SAE20	32	-	42	127	83	14	111	84	300	120,5	24	1"5/8 UN	65	17	32	4,557
PBF-310T SAE24	40	-	49,5	135	89	14	126	99	300	134,5	25	1"7/8 UN	80	17	40	6,482
PBF-310T SAE32	50	-	56	160	101	14	132	104	300	140,5	27	1"1/2 UN	90	17	50	7,966

PBF-310T SW

TYPE	DN	A	B	C	D	E	F	ØG	H	I	L	ØM	CH	SW	LW	WEIGHT Kg
PBF-310T SW 1/4	6	-	23,5	72	44	10,5	66,5	47	110	109	11,1	14,1	32	9	6	0,869
PBF-310T SW 3/8	10	-	23,5	72	44	10,5	66,5	47	110	109	11,1	17,53	32	9	10	0,844
PBF-310T SW 1/2	13	-	26,5	81	48	10,5	72,5	53	110	115	12,7	21,72	38	9	13	1,151
PBF-310T SW 3/4	20	-	31,5	98	62	14	90	63	180	122	15	27,05	48	14	20	2,109
PBF-310T SW 1"	25	-	36,5	106	66	14	99	73	180	133	16	33,78	55	14	25	2,872
PBF-310T SW 1" 1/4	32	-	42	127	83	14	111	84	300	120,5	17,5	42,7	65	17	32	4,557
PBF-310T SW 1" 1/2	40	-	49,5	135	89	14	126	99	300	134,5	19	48,64	80	17	40	6,482
PBF-310T SW 2"	50	-	56	160	101	14	132	104	300	140,5	22	61,2	90	17	50	7,966
PBF-310T SW 2" 1/2	65	140	70	174	105	23,5	176,5	150	600	226	30	73,9	110	19	65	17,506
PBF-310T SW 3"	80	155	77,5	191,5	114	23,5	191	167	600	241	30	89,8	125	19	80	22,896
PBF-310T SW 4"	100	188	94	230	148	31	231,5	200	600	278,5	30	115,2	150	19	100	36,999

PBF-310T 2-WAY HIGH PRESSURE BALL VALVES



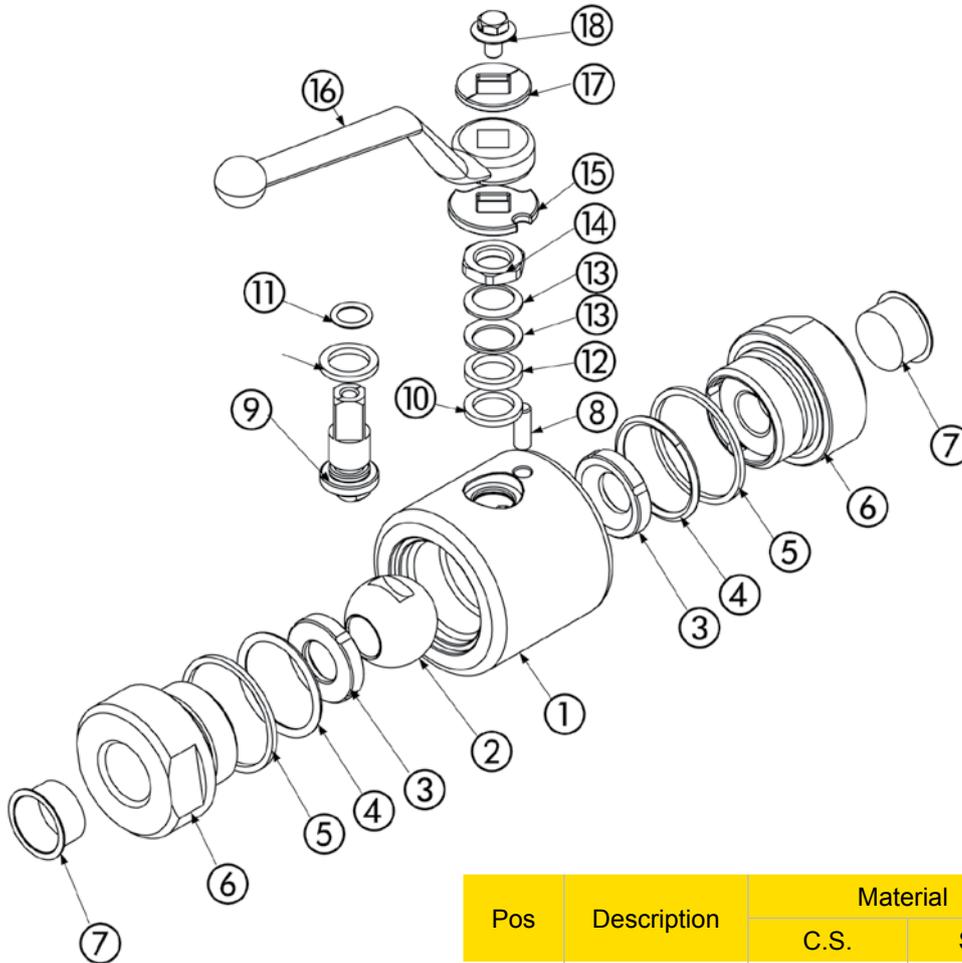
PBF-310T SW EXTRALONG

TYPE	DN	A	B	C	D	E	F	ØG	H	I	L	ØM	CH	SW	LW	WEIGHT Kg
PBF-310T SWXT 1/4	6	-	23,5	262	44	10,5	66,5	47	110	109	11,1	14,1	32	9	6	2,529
PBF-310T SWXT 3/8	10	-	23,5	262	44	10,5	66,5	47	110	109	11,1	17,53	32	9	10	2,427
PBF-310T SWXT 1/2	13	-	26,5	271	48	10,5	72,5	53	110	115	12,7	21,72	38	9	13	3,126
PBF-310T SWXT 3/4	20	-	31,5	288	62	14	90	63	180	122	15	27,05	48	14	20	5,056
PBF-310T SWXT 1"	25	-	36,5	296	66	14	99	73	180	133	16	33,78	55	14	25	6,956
PBF-310T SWXT 1" 1/4	32	-	42	318	83	14	111	84	300	120,5	17,5	42,7	65	17	32	9,83
PBF-310T SWXT 1" 1/2	40	-	49,5	325	89	14	126	99	300	134,5	19	48,64	80	17	40	13,883
PBF-310T SWXT 2"	50	-	56	350	101	14	132	104	300	140,5	22	61,2	90	17	50	16,733

PBF-310T BW

TYPE	DN	A	B	C	D	E	F	ØG	H	I	L SCH80	ØM	CH	SW	LW	WEIGHT Kg
PBF-310T BW 1/4	6	-	23,5	272	44	10,5	66,5	47	110	109	3,02	13,7	32	9	6	1,054
PBF-310T BW 3/8	10	-	23,5	272	44	10,5	66,5	47	110	109	3,2	17,1	32	9	10	1,093
PBF-310T BW 1/2	13	-	26,5	281	48	10,5	72,5	53	110	115	3,73	21,3	38	9	13	1,528
PBF-310T BW 3/4	20	-	31,5	298	62	14	90	63	180	122	3,91	26,7	48	14	20	2,63
PBF-310T BW 1"	25	-	36,5	306	66	14	99	73	180	133	4,55	33,4	55	14	25	3,646
PBF-310T BW 1" 1/4	32	-	42	327	83	14	111	84	300	120,5	4,85	42,2	65	17	32	5,638
PBF-310T BW 1" 1/2	40	-	49,5	335	89	14	126	99	300	134,5	5,08	48,3	80	17	40	7,73
PBF-310T BW 2"	50	-	56	360	101	14	132	104	300	140,5	5,54	60,3	90	17	50	9,827

PBF-310T 2-WAY HIGH PRESSURE BALL VALVES



On request

- Reduced bore
- O-Ring in EPDM, FFKM, MQV
- Seals in PEEK, PA 612, RPTFE, PTFE
- Special Threads
- Pressure Class S800, S3000, PN 100 to PN 500
- Locking device

• For further special requests please consult our technical/commercial service

Pos	Description	Material		Q.ta
		C.S.	S.S.	
1	Body	1,0570	1,4404	1
2	Ball	1,4404	1,4404	1
3	Ball Seat	PTFE	PTFE	2
4	Adapter o-ring	NBR	NBR	2
5	Adapter ring	PTFE	PTFE	2
6	Adapter	1,0570	1,4404	2
7	Caps	PVC	PVC	2
8	Spine	1,4301	1,4301	1
9	Stem	1,4404	1,4404	1
10	Stem ring	PTFE	PTFE	2
11	Stem o-ring	NBR	NBR	1
12	Press ring	1,4301	1,4301	1
13	Spring	1,4301	1,4301	2
14	Nut	1,4301	1,4301	1
15	Washer	1,4301	1,4301	1
16	Handle	1,0116	1,0116	1
17	Washer	1,4301	1,4301	1
18	Screw	DIN6921 A2	DIN6921 A2	1

PBF-311T 2-WAY HIGH PRESSURE BALL VALVES

Carbon Steel / Stainless steel

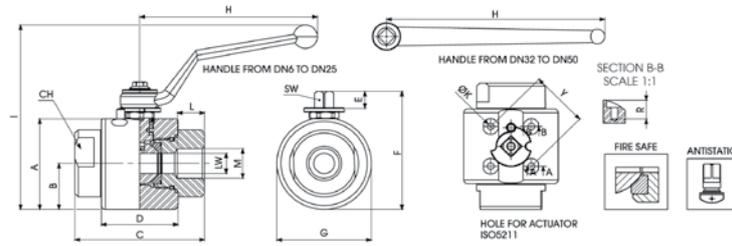


Specifications

- Type: ball valve PBF-311T 2way
- Body: round
- Material: 1,0570/1,4404
- Ball seats: from DN6 up to DN50
- O-Rings: NBR, FKM, EPDM, MVQ
- Operating pressure: 350 Bar to 500 Bar S3000 to S6000 PN depending on valve size and seal materials selected
- Fire safe BS 6755
- Antistatic device
- Temp range: -20°C to +100°C depending on seal material selected (-60°C to +230°C for Stainless steel)

PBF-311T						G 1/2	DN13	A105	316L	POM
Type and way of valve										
PBF-311T2-way high pressure ball valves										
Valves dimension of inch										
GAS DIN/	ANSI/ASME	SAE	SW	SW	BW					
ISO 228	B1.20.1 NPT	J1926-1		EXTRALONG						
G 1/4	N 1/4	SAE6	SW 1/4	SWXT 1/4	BW 1/4					
G 3/8	N 3/8	SAE8	SW 3/8	SWXT 3/8	BW 3/8					
G 1/2	N 1/2	SAE12	SW 1/2	SWXT 1/2	BW 1/2					
G 3/4	N 3/4	SAE16	SW 3/4	SWXT 3/4	BW 3/4					
G 1"	N 1"	SAE20	SW 1"	SWXT 1"	BW 1"					
G 1"1/4	N 1"1/4	SAE24	SW 1"1/4	SWXT 1"1/4	BW 1"1/4					
G 1"1/2	N 1"1/2	SAE32	SW 1"1/2	SWXT 1"1/2	BW 1"1/2					
G 2"	N 2"		SW 2"	SWXT 2"	BW 2"					
Nominal dimension										
DN6 DN10 DN13 DN20										
DN25 DN32 DN40 DN50										
adapter material										
A105 1,0570										
316L 1,4404										
ball material										
316L 1,4404										
Ball seat material										
A POM D PEEK G PA612										
Adapter and stem seal material										
B NBR E FKM F EPDM L MVQ										

PBF-311T 2-WAY HIGH PRESSURE BALL VALVES



PBF-311T DIN ISO 228 BSP

TYPE	DN	A	B	C	D	E	F	ØG	H	I	L	M	Y	ØK	R	ISO 5211	CH	SW	LW	WEIGHT Kg
PBF-311T G 1/4	6	53	27	72	44	10,5	70	54	110	113	15,5	G 1/4	36	M5	12	F03	32	9	6	1,042
PBF-311T G 3/8	10	53	27	72	44	10,5	70	54	110	113	15,5	G 3/8	36	M5	12	F03	32	9	10	1,016
PBF-311T G 1/2	13	58	29,5	81	48	10,5	75,5	59	110	118	17	G 1/2	36	M5	12	F03	38	9	13	1,328
PBF-311T G 3/4	20	72,5	37	98	62	14	95,5	74	180	128	21	G 3/4	50	M6	12	F05	48	14	20	2,638
PBF-310T G 1"	25	81	41,5	106	66	14	104	83	180	137	24	G 1"	50	M6	12	F05	55	14	25	3,45
PBF-311T G 1" 1/4	32	96	49,5	127	83	14	118,5	99	300	128	25	G 1" 1/4	50	M6	12	F05	65	17	32	5,851
PBF-311T G 1" 1/2	40	109,5	57	135	89	14	132,5	114	300	142	25	G 1" 1/2	70	M8	15	F07	80	17	40	8,065
PBF-311T G 2"	50	118	61,5	160	101	14	141	123	300	150	27	G 2"	70	M8	15	F07	90	17	50	10,412

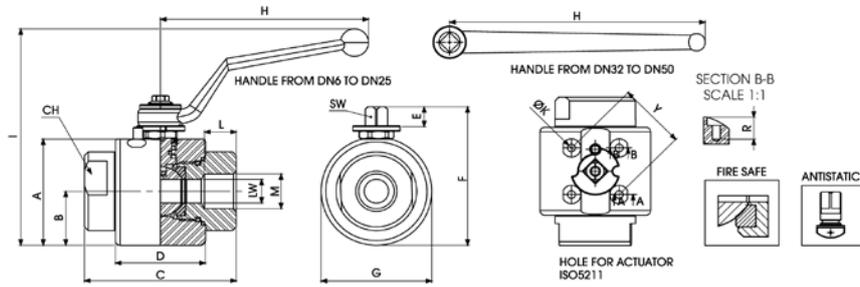
PBF-311T ANSI/ASME B1.20.1 NPT

TYPE	DN	A	B	C	D	E	F	ØG	H	I	L	M	Y	ØK	R	ISO 5211	CH	SW	LW	WEIGHT Kg
PBF-311T N 1/4	6	53	27	72	44	10,5	70	54	110	113	17	N 1/4	36	M5	12	F03	32	9	6	1,042
PBF-311T N 3/8	10	53	27	72	44	10,5	70	54	110	113	17	N 3/8	36	M5	12	F03	32	9	10	1,016
PBF-311T N 1/2	13	58	29,5	81	48	10,5	75,5	59	110	118	21	N 1/2	36	M5	12	F03	38	9	13	1,328
PBF-311T N 3/4	20	72,5	37	98	62	14	95,5	74	180	128	21	N 3/4	50	M6	12	F05	48	14	20	2,638
PBF-310T N 1"	25	81	41,5	106	66	14	104	83	180	137	24	N 1"	50	M6	12	F05	55	14	25	3,45
PBF-311T N 1" 1/4	32	96	49,5	127	83	14	118,5	99	300	128	25	N 1" 1/4	50	M6	12	F05	65	17	32	5,851
PBF-311T N 1" 1/2	40	109,5	57	135	89	14	132,5	114	300	142	25	N 1" 1/2	70	M8	15	F07	80	17	40	8,065
PBF-311T N 2"	50	118	61,5	160	101	14	141	123	300	150	27	N 2"	70	M8	15	F07	90	17	50	10,412

PBF-311T SAE J1926-1

TYPE	DN	A	B	C	D	E	F	ØG	H	I	L	M	Y	ØK	R	ISO 5211	CH	SW	LW	WEIGHT Kg
PBF-311T SAE4	6	53	27	72	44	10,5	70	54	110	113	15,5	7/16 UNF	36	M5	12	F03	32	9	6	1,042
PBF-311T SAE6	10	53	27	72	44	10,5	70	54	110	113	16	9/16 UNF	36	M5	12	F03	32	9	10	1,016
PBF-311T SAE8	13	58	29,5	81	48	10,5	75,5	59	110	118	17,5	3/4 UNF	36	M5	12	F03	38	9	13	1,328
PBF-311T SAE12	20	72,5	37	98	62	14	95,5	74	180	128	23	1" 1/16 UN	50	M6	12	F05	48	14	20	2,638
PBF-311T SAE16	25	81	41,5	106	66	14	104	83	180	137	24	1" 5/16 UN	50	M6	12	F05	55	14	25	3,45
PBF-311T SAE20	32	96	49,5	127	83	14	118,5	99	300	128	24	5/8" 1 UN	50	M6	12	F05	65	17	32	5,851
PBF-311T SAE24	40	109,5	57	135	89	14	132,5	114	300	142	25	1" 7/8 UN	70	M8	15	F07	80	17	40	8,065
PBF-311T SAE32	50	118	61,5	160	101	14	141	123	300	150	27	2" 1/2 UN	70	M8	15	F07	90	17	50	10,412

PBF-311T 2-WAY HIGH PRESSURE BALL VALVES



(POM seal)
PBF-311T DIN/ISO 228 PN

DN	PN	ITEM CODE
6	500	PBF-311T15024A000
10	500	PBF-311T25024A000
13	500	PBF-311T35024A000
20	400	PBF-311T44024A000
25	350	PBF-311T53024A000
32	350	PBF-311T63024A000
40	350	PBF-311T73024A000
50	350	PBF-311T83024A000

(PEEK seal)
PBF-311TDIN/ISO 228 PN

DN	PN	ITEM CODE
6	500	PBF-311T15024P000
10	500	PBF-311T25024P000
13	500	PBF-311T35024P000
20	400	PBF-311T44024P000
25	350	PBF-311T53024P000
32	350	PBF-311T63024P000
40	350	PBF-311T73024P000
50	350	PBF-311T83024P000

(PA612 seal)
PBF-311TDIN/ISO 228 PN

DN	PN	ITEM CODE
6	500	PBF-311T15024T000
10	500	PBF-311T25024T000
13	500	PBF-311T35024T000
20	400	PBF-311T44024T000
25	350	PBF-311T53024T000
32	350	PBF-311T63024T000
40	350	PBF-311T73024T000
50	350	PBF-311T83024T000

(POM seal) PBF-311T ANSI/ASME
B1.20.1 NPT PN

DN	PN	ITEM CODE
6	500	PBF-311T 15024A000
10	500	PBF-311T 25024A000
13	500	PBF-311T 35024A000
20	400	PBF-311T 44024A000
25	350	PBF-311T 53024A000
32	350	PBF-311T 63024A000
40	350	PBF-311T 73024A000
50	350	PBF-311T 83024A000

(PEEK seal) PBF-311TANSI/ASME
B1.20.1 NPT PN

DN	PN	ITEM CODE
6	500	PB311 T15024P000
10	500	PB311 T25024P000
13	500	PB311 T35024P000
20	400	PB311 T44024P000
25	350	PB311 T53024P000
32	350	PB311 T63024P000
40	350	PB311 T73024P000
50	350	PB311 T83024P000

(PA612 seal) PBF-311TANSI/ASME
B1.20.1 NPT PN

DN	PN	ITEM CODE
6	500	PBF-311T 15024T000
10	500	PBF-311T 25024T000
13	500	PBF-311T 35024T000
20	400	PBF-311T 44024T000
25	350	PBF-311T 53024T000
32	350	PBF-311T 63024T000
40	350	PBF-311T 73024T000
50	350	PBF-311T 83024T000

(POM seal)
PBF-311T SAE J1946-1 PN

DN	PN	ITEM CODE
6	500	PBF-311T05024A000
10	500	PBF-311T15024A000
13	500	PBF-311T25024A000
20	400	PBF-311T34024A000
25	350	PBF-311T43024A000
32	350	PBF-311T53024A000
40	350	PBF-311T63024A000
50	350	PBF-311T73024A000

(PEEK seal)
PBF-311T SAE J1946-1 PN

DN	PN	ITEM CODE
6	500	PBF-311T05024P000
10	500	PBF-311T15024P000
13	500	PBF-311T25024P000
20	400	PBF-311T34024P000
25	350	PBF-311T43024P000
32	350	PBF-311T53024P000
40	350	PBF-311T63024P000
50	350	PBF-311T73024P000

(PA612 seal)
PBF-311T SAE J1946-1 PN

DN	PN	ITEM CODE
6	500	PBF-311T05024T000
10	500	PBF-311T15024T000
13	500	PBF-311T25024T000
20	400	PBF-311T34024T000
25	350	PBF-311T43024T000
32	350	PBF-311T53024T000
40	350	PBF-311T63024T000
50	350	PBF-311T73024T000

PBF-311T 2-WAY HIGH PRESSURE BALL VALVES

PBF-311T DIN ISO 228 BSP

TYPE	DN	A	B	C	D	E	F	ØG	H	I	L	M	Y	ØK	R	ISO 5211	CH	SW	LW	WEIGHT Kg
PBF-311T 1/4	6	53	27	72	44	10,5	70	54	110	113	15,5	G 1/4	36	M5	12	F03	32	9	6	1,042
PBF-311T 3/8	10	53	27	72	44	10,5	70	54	110	113	15,5	G 3/8	36	M5	12	F03	32	9	10	1,016
PBF-311T 1/2	13	58	29,5	81	48	10,5	75,5	59	110	118	17	G 1/2	36	M5	12	F03	38	9	13	1,328
PBF-311T 3/4	20	72,5	37	98	62	14	95,5	74	180	128	21	G 3/4	50	M6	12	F05	48	14	20	2,638
PBF-310T 1"	25	81	41,5	106	66	14	104	83	180	137	24	G 1"	50	M6	12	F05	55	14	25	3,45
PBF-311T 1" 1/4	32	96	49,5	127	83	14	118,5	99	300	128	25	G 1" 1/4	50	M6	12	F05	65	17	32	5,851
PBF-311T 1" 1/2	40	109,5	57	135	89	14	132,5	114	300	142	25	G 1" 1/2	70	M8	15	F07	80	17	40	8,065
PBF-311T 2"	50	118	61,5	160	101	14	141	123	300	150	27	G 2"	70	M8	15	F07	90	17	50	10,412

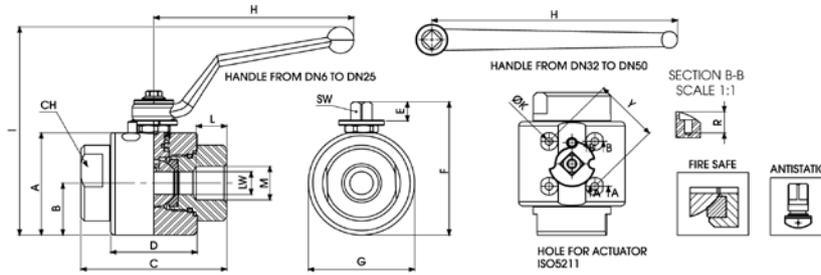
PBF-311TANSI/ASME B1.20.1 NPT

TYPE	DN	A	B	C	D	E	F	ØG	H	I	L	M	Y	ØK	R	ISO 5211	CH	SW	LW	WEIGHT Kg
PBF-311T 1/4	6	53	27	72	44	10,5	70	54	110	113	17	N 1/4	36	M5	12	F03	32	9	6	1,042
PBF-311T 3/8	10	53	27	72	44	10,5	70	54	110	113	17	N 3/8	36	M5	12	F03	32	9	10	1,016
PBF-311T 1/2	13	58	29,5	81	48	10,5	75,5	59	110	118	21	N 1/2	36	M5	12	F03	38	9	13	1,328
PBF-311T 3/4	20	72,5	37	98	62	14	95,5	74	180	128	21	N 3/4	50	M6	12	F05	48	14	20	2,638
PBF-310T 1"	25	81	41,5	106	66	14	104	83	180	137	24	N 1"	50	M6	12	F05	55	14	25	3,45
PBF-311T 1" 1/4	32	96	49,5	127	83	14	118,5	99	300	128	25	N 1" 1/4	50	M6	12	F05	65	17	32	5,851
PBF-311T 1" 1/2	40	109,5	57	135	89	14	132,5	114	300	142	25	N 1" 1/2	70	M8	15	F07	80	17	40	8,065
PBF-311T 2"	50	118	61,5	160	101	14	141	123	300	150	27	N 2"	70	M8	15	F07	90	17	50	10,412

PBF-311TSAE J1926-1

TYPE	DN	A	B	C	D	E	F	ØG	H	I	L	M	Y	ØK	R	ISO 5211	CH	SW	LW	WEIGHT Kg
PBF-311T SAE4	6	53	27	72	44	10,5	70	54	110	113	15,5	7/16 UNF	36	M5	12	F03	32	9	6	1,042
PBF-311T SAE6	10	53	27	72	44	10,5	70	54	110	113	16	9/16 UNF	36	M5	12	F03	32	9	10	1,016
PBF-311T SAE8	13	58	29,5	81	48	10,5	75,5	59	110	118	17,5	3/4 UNF	36	M5	12	F03	38	9	13	1,328
PBF-311T SAE12	20	72,5	37	98	62	14	95,5	74	180	128	23	1" 1/16 UN	50	M6	12	F05	48	14	20	2,638
PBF-311T SAE16	25	81	41,5	106	66	14	104	83	180	137	24	1" 5/16 UN	50	M6	12	F05	55	14	25	3,45
PBF-311T SAE20	32	96	49,5	127	83	14	118,5	99	300	128	24	5/8" 1 UN	50	M6	12	F05	65	17	32	5,851
PBF-311T SAE24	40	109,5	57	135	89	14	132,5	114	300	142	25	1" 7/8 UN	70	M8	15	F07	80	17	40	8,065
PBF-311T SAE32	50	118	61,5	160	101	14	141	123	300	150	27	2" 1/2 UN	70	M8	15	F07	90	17	50	10,412

PBF-311T 2-WAY HIGH PRESSURE BALL VALVES



(POM seal)
PBF-311TDIN/ISO 228 S6000

DN	PN	ITEM CODE
6	S6000	PBF-311T1G024A000
10	S6000	PBF-311T2G024A000
13	S6000	PBF-311T3G024A000
20	S6000	PBF-311T4G024A000
25	S6000	PBF-311T5G024A000
32	S6000	PBF-311T6G024A000
40	S6000	PBF-311T7G024A000
50	S6000	PBF-311T8G024A000

(PEEK seal)
PBF-311TDIN/ISO 228 S6000

DN	PN	ITEM CODE
6	S6000	PBF-311T1G024P000
10	S6000	PBF-311T2G024P000
13	S6000	PBF-311T3G024P000
20	S6000	PBF-311T4G024P000
25	S6000	PBF-311T5G024P000
32	S6000	PBF-311T6G024P000
40	S6000	PBF-311T7G024P000
50	S6000	PBF-311T8G024P000

(PA612 seal)
PBF-311TDIN/ISO 228 S6000

DN	PN	ITEM CODE
6	S6000	PBF-311T1G024T000
10	S6000	PBF-311T2G024T000
13	S6000	PBF-311T3G024T000
20	S6000	PBF-311T4G024T000
25	S6000	PBF-311T5G024T000
32	S6000	PBF-311T6G024T000
40	S6000	PBF-311T7G024T000
50	S6000	PBF-311T8G024T000

(POM seal) PBF-311TANSI/ASME
B1.20.1 NPT S6000

DN	PN	ITEM CODE
6	S6000	PBFNNT1G024A000
10	S6000	PBFNNT2G024A000
13	S6000	PBFNNT3G024A000
20	S6000	PBFNNT4G024A000
25	S6000	PBFNNT5G024A000
32	S6000	PBFNNT6G024A000
40	S6000	PBFNNT7G024A000
50	S6000	PBFNNT8G024A000

(PEEK seal) PBF-311TANSI/ASME
B1.20.1 NPT S6000

DN	PN	ITEM CODE
6	S6000	PBFNNT1G024P000
10	S6000	PBFNNT2G024P000
13	S6000	PBFNNT3G024P000
20	S6000	PBFNNT4G024P000
25	S6000	PBFNNT5G024P000
32	S6000	PBFNNT6G024P000
40	S6000	PBFNNT7G024P000
50	S6000	PBFNNT8G024P000

(PA612 seal) PBF-311TANSI/ASME
B1.20.1 NPT S6000

DN	PN	ITEM CODE
6	S6000	PBF-311T1G024T000
10	S6000	PBF-311T2G024T000
13	S6000	PBF-311T3G024T000
20	S6000	PBF-311T4G024T000
25	S6000	PBF-311T5G024T000
32	S6000	PBF-311T6G024T000
40	S6000	PBF-311T7G024T000
50	S6000	PBF-311T8G024T000

(POM seal)
PBF-311T SAE J1946-1 S6000

DN	PN	ITEM CODE
6	S6000	PBF-311T0G024A000
10	S6000	PBF-311T1G024A000
13	S6000	PBF-311T2G024A000
20	S6000	PBF-311T3G024A000
25	S6000	PBF-311T4G024A000
32	S6000	PBF-311T5G024A000
40	S6000	PBF-311T6G024A000
50	S6000	PBF-311T7G024A000

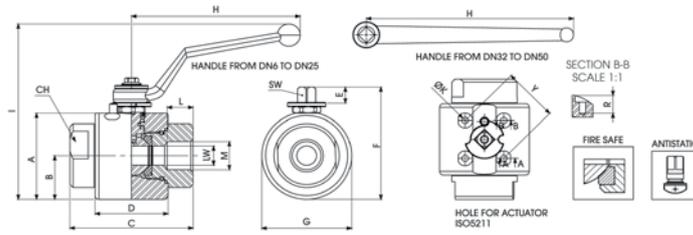
(PEEK seal)
PBF-311T SAE J1946-1 S6000

DN	PN	ITEM CODE
6	S6000	PBF-311T0G024P000
10	S6000	PBF-311T1G024P000
13	S6000	PBF-311T2G024P000
20	S6000	PBF-311T3G024P000
25	S6000	PBF-311T4G024P000
32	S6000	PBF-311T5G024P000
40	S6000	PBF-311T6G024P000
50	S6000	PBF-311T7G024P000

(PA612 seal)
PBF-311T SAE J1946-1 S6000

DN	PN	ITEM CODE
6	S6000	PBF-311T0G024T000
10	S6000	PBF-311T1G024T000
13	S6000	PBF-311T2G024T000
20	S6000	PBF-311T3G024T000
25	S6000	PBF-311T4G024T000
32	S6000	PBF-311T5G024T000
40	S6000	PBF-311T6G024T000
50	S6000	PBF-311T7G024T000

PBF-311T 2-WAY HIGH PRESSURE BALL VALVES



PBF-311T SW

TYPE	DN	A	B	C	D	E	F	ØG	H	I	L	ØM	Y	ØK	R	ISO 5211	CH	SW	LW	WEIGHT Kg
PBF-311T SW 1/4	6	53	27	72	44	10,5	70	54	110	113	11,1	14,1	36	M5	12	F03	32	9	6	1,042
PBF-311T SW 3/8	10	53	27	72	44	10,5	70	54	110	113	11,1	17,53	36	M5	12	F03	32	9	10	1,016
PBF-311T SW 1/2	13	58	29,5	81	48	10,5	75,5	59	110	118	12,7	21,72	36	M5	12	F03	38	9	13	1,328
PBF-311T SW 3/4	20	72,5	37	98	62	14	95,5	74	180	128	15	27,05	50	M6	12	F05	48	14	20	2,638
PBF-311T SW 1"	25	81	41,5	106	66	14	104	83	180	137	16	33,78	50	M6	12	F05	55	14	25	3,45
PBF-311T SW 1" 1/4	32	96	49,5	127	83	14	118,5	99	300	128	17,5	42,7	50	M6	12	F05	65	17	32	5,851
PBF-311T SW 1" 1/2	40	109,5	57	135	89	14	132,5	114	300	142	19	48,64	70	M8	15	F07	80	17	40	8,065
PBF-311T SW 2"	50	118	61,5	160	101	14	141	123	300	150	22	61,2	70	M8	15	F07	90	17	50	10,412

(POM seal) PBF-311TSW PN

DN	PN	ITEM CODE
6	500	PB2TTT15024A000
10	500	PB2TTT25024A000
13	500	PB2TTT35024A000
20	400	PB2TTT44024A000
25	350	PB2TTT53024A000
32	350	PB2TTT63024A000
40	350	PB2TTT73024A000
50	350	PB2TTT83024A000

(PEEK seal) PBF-311TSW PN

DN	PN	ITEM CODE
6	500	PB2TTT15024P000
10	500	PB2TTT25024P000
13	500	PB2TTT35024P000
20	400	PB2TTT44024P000
25	350	PB2TTT53024P000
32	350	PB2TTT63024P000
40	350	PB2TTT73024P000
50	350	PB2TTT83024P000

(PA612 seal) PBF-311TSW PN

DN	PN	ITEM CODE
6	500	PB2TTT15024T000
10	500	PB2TTT25024T000
13	500	PB2TTT35024T000
20	400	PB2TTT44024T000
25	350	PB2TTT53024T000
32	350	PB2TTT63024T000
40	350	PB2TTT73024T000
50	350	PB2TTT83024T000

(POM seal) PBF-311TSW S6000

DN	PN	ITEM CODE
6	S6000	PB2TTT1G024A000
10	S6000	PB2TTT2G024A000
13	S6000	PB2TTT3G024A000
20	S6000	PB2TTT4G024A000
25	S6000	PB2TTT5G024A000
32	S6000	PB2TTT6G024A000
40	S6000	PB2TTT7G024A000
50	S6000	PB2TTT8G024A000

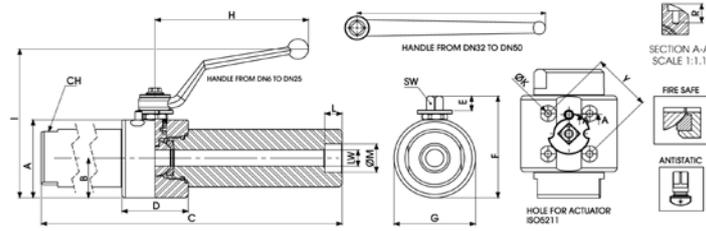
(PEEK seal) PBF-311TSW S6000

DN	PN	ITEM CODE
6	S6000	PB2TTT1G024P000
10	S6000	PB2TTT2G024P000
13	S6000	PB2TTT3G024P000
20	S6000	PB2TTT4G024P000
25	S6000	PB2TTT5G024P000
32	S6000	PB2TTT6G024P000
40	S6000	PB2TTT7G024P000
50	S6000	PB2TTT8G024P000

(PA612 seal) PBF-311TSW S6000

DN	PN	ITEM CODE
6	S6000	PB2TTT1G024T000
10	S6000	PB2TTT2G024T000
13	S6000	PB2TTT3G024T000
20	S6000	PB2TTT4G024T000
25	S6000	PB2TTT5G024T000
32	S6000	PB2TTT6G024T000
40	S6000	PB2TTT7G024T000
50	S6000	PB2TTT8G024T000

PBF-311T 2-WAY HIGH PRESSURE BALL VALVES



PBF-311TSW EXTRALONG

TYPE	DN	A	B	C	D	E	F	ØG	H	I	L	ØM	Y	ØK	R	ISO 5211	CH	SW	LW	WEIGHT Kg
PBF-311T SWXT 1/4	6	53	27	262	44	10,5	70	54	110	113	11,1	14,1	36	M5	12	F03	32	9	6	2,702
PBF-311T SWXT 3/8	10	53	27	262	44	10,5	70	54	110	113	11,1	17,53	36	M5	12	F03	32	9	10	2,599
PBF-311T SWXT 1/2	13	58	29,5	271	48	10,5	75,5	59	110	118	12,7	21,72	36	M5	12	F03	38	9	13	3,303
PBF-311T SWXT 3/4	20	72,5	37	288	62	14	95,5	74	180	128	15	27,05	50	M6	12	F05	48	14	20	5,595
PBF-311T SWXT 1"	25	81	41,5	296	66	14	104	83	180	137	16	33,78	50	M6	12	F05	55	14	25	7,534
PBF-311T SWXT 1" 1/4	32	96	49,5	318	83	14	118,5	99	300	128	17,5	42,7	50	M6	12	F05	65	17	32	11,123
PBF-311T SWXT 1" 1/2	40	109,5	57	325	89	14	132,5	114	300	142	19	48,64	70	M8	15	F07	80	17	40	15,467
PBF-311T SWXT 2"	50	118	61,5	350	101	14	141	123	300	150	22	61,2	70	M8	15	F07	90	17	50	19,178

(POM seal) PBF-311TSW EXTRALONG PN

DN	PN	ITEM CODE
6	500	PB2TXT15024A000
10	500	PB2TXT25024A000
13	500	PB2TXT35024A000
20	400	PB2TXT44024A000
25	350	PB2TXT53024A000
32	350	PB2TXT63024A000
40	350	PB2TXT73024A000
50	350	PB2TXT83024A000

(PEEK seal) PBF-311TSW EXTRALONG PN

DN	PN	ITEM CODE
6	500	PB2TXT15024P000
10	500	PB2TXT25024P000
13	500	PB2TXT35024P000
20	400	PB2TXT44024P000
25	350	PB2TXT53024P000
32	350	PB2TXT63024P000
40	350	PB2TXT73024P000
50	350	PB2TXT83024P000

(PA612 seal) PBF-311TSW EXTRALONG PN

DN	PN	ITEM CODE
6	500	PB2TXT15024T000
10	500	PB2TXT25024T000
13	500	PB2TXT35024T000
20	400	PB2TXT44024T000
25	350	PB2TXT53024T000
32	350	PB2TXT63024T000
40	350	PB2TXT73024T000
50	350	PB2TXT83024T000

(POM seal) PBF-311TSW EXTRALONG S6000

DN	PN	ITEM CODE
6	S6000	PB2TXT1G024A000
10	S6000	PB2TXT2G024A000
13	S6000	PB2TXT3G024A000
20	S6000	PB2TXT4G024A000
25	S6000	PB2TXT5G024A000
32	S6000	PB2TXT6G024A000
40	S6000	PB2TXT7G024A000
50	S6000	PB2TXT8G024A000

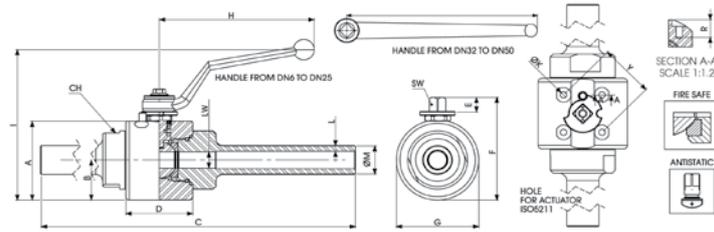
(PEEK seal) PBF-311TSW EXTRALONG S6000

DN	PN	ITEM CODE
6	S6000	PB2TXT1G024P000
10	S6000	PB2TXT2G024P000
13	S6000	PB2TXT3G024P000
20	S6000	PB2TXT4G024P000
25	S6000	PB2TXT5G024P000
32	S6000	PB2TXT6G024P000
40	S6000	PB2TXT7G024P000
50	S6000	PB2TXT8G024P000

(PA612 seal) PBF-311TSW EXTRALONG S6000

DN	PN	ITEM CODE
6	S6000	PB2TXT1G024T000
10	S6000	PB2TXT2G024T000
13	S6000	PB2TXT3G024T000
20	S6000	PB2TXT4G024T000
25	S6000	PB2TXT5G024T000
32	S6000	PB2TXT6G024T000
40	S6000	PB2TXT7G024T000
50	S6000	PB2TXT8G024T000

PBF-311T 2-WAY HIGH PRESSURE BALL VALVES



PBF-311TBW

TYPE	DN	A	B	C	D	E	F	ØG	H	I	L SCH80	ØM	Y	ØK	R	ISO 5211	CH	SW	LW	WEIGHT Kg
PBF-311T BW 1/4	6	53	27	272	44	10,5	70	54	110	113	3,02	13,7	36	M5	12	F03	32	9	6	1,227
PBF-311T BW 3/8	10	53	27	272	44	10,5	70	54	110	113	3,2	17,1	36	M5	12	F03	32	9	10	1,27
PBF-311T BW 1/2	13	58	29,5	281	48	10,5	75,5	59	110	118	3,73	21,3	36	M5	12	F03	38	9	13	1,709
PBF-311T BW 3/4	20	72,5	37	298	62	14	95,5	74	180	128	3,91	26,7	50	M6	12	F05	48	14	20	3,159
PBF-311T BW 1"	25	81	41,5	306	66	14	104	83	180	137	4,55	33,4	50	M6	12	F05	55	14	25	4,224
PBF-311T BW 1" 1/4	32	96	49,5	327	83	14	118,5	99	300	128	4,85	42,2	50	M6	12	F05	65	17	32	6,951
PBF-311T BW 1" 1/2	40	109,5	57	335	89	14	132,5	114	300	142	5,08	48,3	70	M8	15	F07	80	17	40	9,283
PBF-311T BW 2"	50	118	61,5	360	101	14	141	123	300	150	5,54	60,3	70	M8	15	F07	90	17	50	12,252

(POM seal) PBF-311TBW PN

DN	PN	ITEM CODE
6	500	PB2BWT15024A000
10	500	PB2BWT25024A000
13	500	PB2BWT35024A000
20	400	PB2BWT44024A000
25	350	PB2BWT53024A000
32	350	PB2BWT63024A000
40	350	PB2BWT73024A000
50	350	PB2BWT83024A000

(PEEK seal) PBF-311TBW PN

DN	PN	ITEM CODE
6	500	PB2BWT15024P000
10	500	PB2BWT25024P000
13	500	PB2BWT35024P000
20	400	PB2BWT44024P000
25	350	PB2BWT53024P000
32	350	PB2BWT63024P000
40	350	PB2BWT73024P000
50	350	PB2BWT83024P000

(PA612 seal) PBF-311TBW PN

DN	PN	ITEM CODE
6	500	PB2BWT15024T000
10	500	PB2BWT25024T000
13	500	PB2BWT35024T000
20	400	PB2BWT44024T000
25	350	PB2BWT53024T000
32	350	PB2BWT63024T000
40	350	PB2BWT73024T000
50	350	PB2BWT83024T000

(POM seal) PBF-311TBW S6000

DN	PN	ITEM CODE
6	S6000	PB2BWT1G024A000
10	S6000	PB2BWT2G024A000
13	S6000	PB2BWT3G024A000
20	S6000	PB2BWT4G024A000
25	S6000	PB2BWT5G024A000
32	S6000	PB2BWT6G024A000
40	S6000	PB2BWT7G024A000
50	S6000	PB2BWT8G024A000

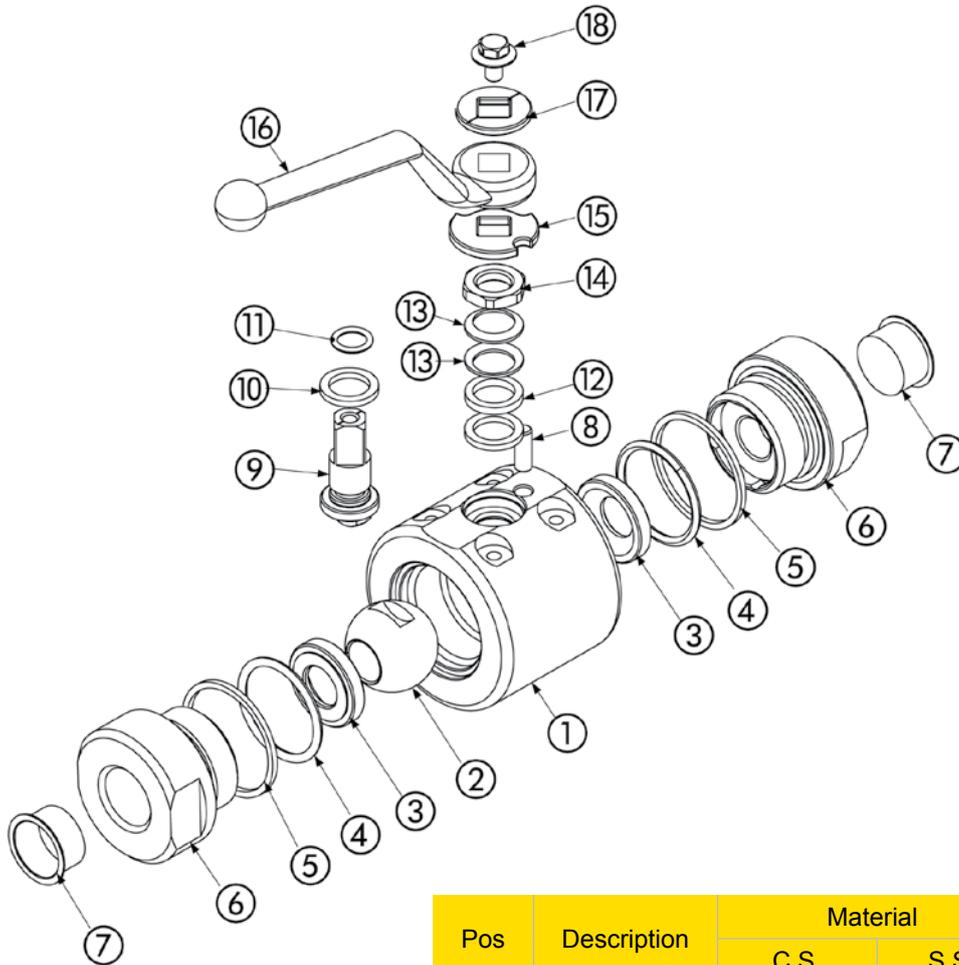
(PEEK seal) PBF-311TBW S6000

DN	PN	ITEM CODE
6	S6000	PB2BWT1G024P000
10	S6000	PB2BWT2G024P000
13	S6000	PB2BWT3G024P000
20	S6000	PB2BWT4G024P000
25	S6000	PB2BWT5G024P000
32	S6000	PB2BWT6G024P000
40	S6000	PB2BWT7G024P000
50	S6000	PB2BWT8G024P000

(PA612 seal) PBF-311TBW S6000

DN	PN	ITEM CODE
6	S6000	PB2BWT1G024T000
10	S6000	PB2BWT2G024T000
13	S6000	PB2BWT3G024T000
20	S6000	PB2BWT4G024T000
25	S6000	PB2BWT5G024T000
32	S6000	PB2BWT6G024T000
40	S6000	PB2BWT7G024T000
50	S6000	PB2BWT8G024T000

PBF-311T 2-WAY HIGH PRESSURE BALL VALVES



On request

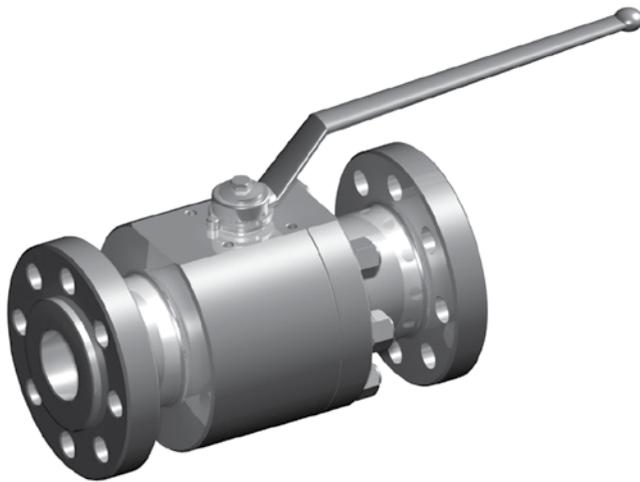
- Reduced bore
- O-Ring in EPDM, FFKM, MQV
- Seals in PEEK, PA 612, RPTFE, PTFE
- Special Threads
- Pressure Class S6000, PN 500
- Locking device
- Pneumatic and electrical actuator

• For further special requests please consult our technical/commercial service

Pos	Description	Material		Q.ta
		C.S.	S.S.	
1	Body	1,0570	1,4404	1
2	Ball	1,4404	1,4404	1
3	Ball Seat	POM	POM	2
4	Adapter o-ring	NBR	NBR	2
5	Adapter ring	PTFE	PTFE	2
6	Adapter	1,0570	1,4404	2
7	Caps	PVC	PVC	2
8	Spine	1,4301	1,4301	1
9	Stem	1,4404	1,4404	1
10	Stem ring	PTFE	PTFE	2
11	Stem o-ring	NBR	NBR	1
12	Press ring	1,4301	1,4301	1
13	Spring	1,4301	1,4301	2
14	Nut	1,4301	1,4301	1
15	Washer	1,4301	1,4301	1
16	Handle	1,0116	1,0116	1
17	Washer	1,4301	1,4301	1
18	Screw	DIN6921 A2	DIN6921 A2	1

PBF-24S 2-WAY HIGH PRESSURE BALL VALVES

Carbon Steel / Stainless steel



Specifications

- Type: ball valve PBF-24S ANSI B16.5
- Body: round
- Material: 1,0570 / 1.4404 / F51
- Ball seats: from DN13 up to DN250
- O-Rings: NBR, FKM, EPDM, MVQ
- Operating pressure: 20 Bar - 50 Bar - 100 Bar
- Antistatic device
- Fire safe BS 6755
- Temp range: -20°C to +100°C depending on seal material selected (-60°C to +230°C for staninless steel)



PBF-24S ANSI600 DN50 2" FB A105 316L PTFE NBR

Type and way of valve

PBF-24S -Split body ball valves

Valves dimension of pressure (psi)

ANSI B16.5 ANSI2500 ANSI1500
ANSI900 ANSI600 ANSI300 ANSI150

Nominal dimension

DN 13 DN 20 DN 25 DN 32 DN 40 DN 50 DN 65
DN 80 DN 100 DN 150 DN 200 DN 250

Inch

1/2 3/4 1" 1"1/4 1"1/2 2"
2"1/2 3" 4" 6" 8" 10"

Bore

FB full bore
RB reduce bore

Body material

A105 1,0570
316L 1.4404

Stem material

F51 1,4462

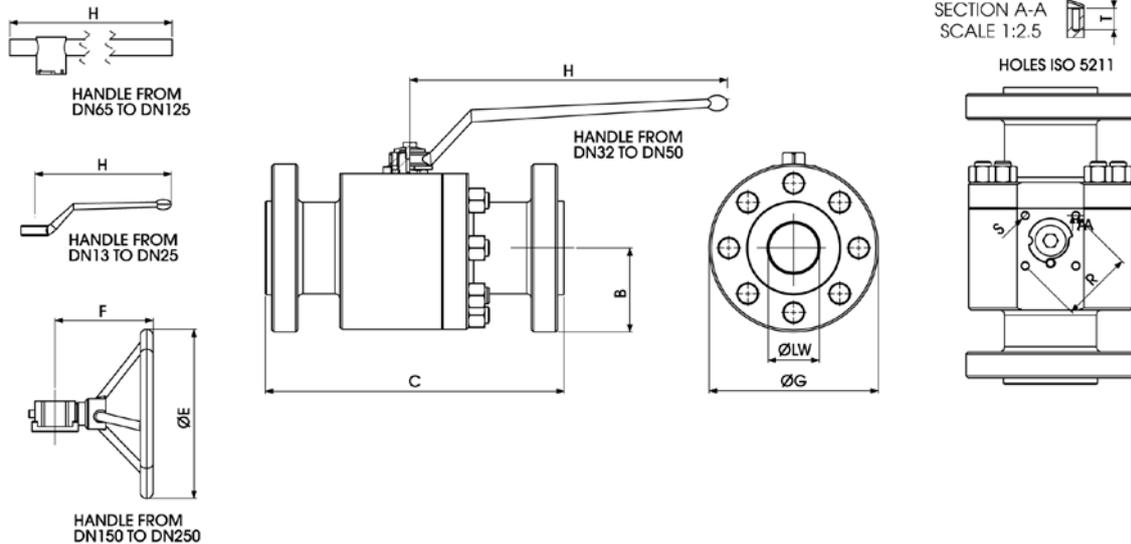
Ball seat material

A POM D PEEK G PA612 K PTFE C PTFE

Adapter and stem seal material

B NBR E FKM F EPDM L MVQ

PBF-24S 2-WAY HIGH PRESSURE BALL VALVES



SPLIT BODY ANSI150 PN20 FULL BORE

COMPONENTS	MATERIAL	(MIN/MAX TEMP. (°C)	PROVISIONS
BODY AND FLANGE	A105 ASTM A105	-20°+60°	API-6D ANSI B16.34 Specification for pipeline valves
	316L ASTM A276	-60°+230	API 598 Valve inspection and test
	LF2 ASTM A350	-40°+100°	ANSI B.16.34 Steel valves Flanged and butt welding ends
STEM	316L ASTM A276	-60°+230°	ANSI B16.5 Steel pipe flanges and flangedttings
BALL	316L ASTM A276	-60°+230	ANSI B16.10 Face to face and end to end dimensions of ferrous valves
STEM SEALS	PTFE	-220°+230°	ASTM American society for testing materials
	GRAPH	-	BS 6755 Testing of valves
BALL SEATS	POM	-30°+100	NACE MR-01-75 Sulfide stress cracking resistant mettalic materials
	PTFE	-220°+230°	for oil field equipment
	PEEK	-50°+250°	UNI EN ISO 9001 quality system
	PA612 METAL	-45°+145 -60°+230	DIN/ISO 5211 for mounting
FLANGE SEALS	PTFE	-220°+230°	NOTES
	GRAPHITE	-	
O-RING	NBR	40°+150°	
	VITON	30°+100°	
	MFQ	50°+150°	
BOLTS	ASTM A193 B8	-20° +100°	
NUT	ASTM A194 H2	-20° +100°	

PBF-24S 2-WAY HIGH PRESSURE BALL VALVES

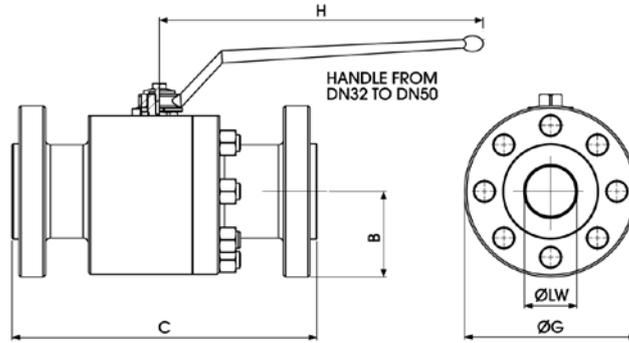
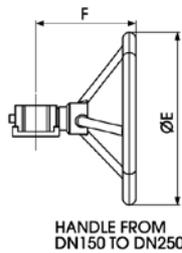
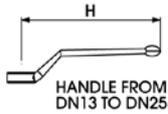
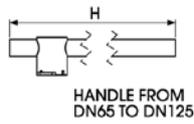
PBF-24S150 FB (Standard)

TYPE	PN	DN	INCH	B	C RF	C RTJ	ØG	ØE	F	H	ØLW	R	S	T	ISO5211
PBF-24S150	2 Mpa	13	1/2	44,5	108	119	89	-	-	110	13	36	M5	12	F03
PBF-24S150	2 Mpa	20	3/4	49,25	117	130	98,5	-	-	120	20	50	M5	12	F03
PBF-24S150	2 Mpa	25	1	54	127	140	108	-	-	120	25	50	M6	15	F05
PBF-24S150	2 Mpa	32	1 1/4	58,75	140	153	117,5	-	-	300	32	50	M6	15	F05
PBF-24S150	2 Mpa	40	1 1/2	63,5	165	178	127	-	-	300	40	70	M8	15	F05
PBF-24S150	2 Mpa	50	2	76,25	178	191	152,5	-	-	300	49	70	M8	15	F05
PBF-24S150	2 Mpa	65	2 1/2	89	191	203	178	-	-	600	63	102	M10	15	F10
PBF-24S150	2 Mpa	80	3	95,25	203	216	190,5	-	-	600	74	102	M10	15	F10
PBF-24S150	2 Mpa	100	4	114,5	229	242	229	-	-	600	100	102	M10	15	F10
PBF-24S150	2 Mpa	150	6	139,8	394	407	279,5	300	180	-	150	125	M12	17	F12
PBF-24S150	2 Mpa	200	8	171,5	457	470	343	300	180	-	201	125	M12	17	F12
PBF-24S150	2 Mpa	250	10	203,3	533	546	406,5	300	180	-	252	125	M12	17	F12

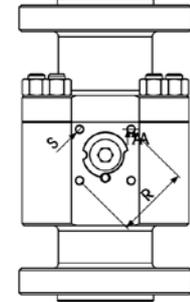
PBF-24S150 RB (Standard)

TYPE	PN	DN	INCH	B	C RF	C RTJ	ØG	ØE	F	H	ØLW	R	S	T	ISO5211
PBF-24S150	2 Mpa	13	3/4 x 1/2	49,25	117	130	98,5	-	-	120	13	50	M5	12	F03
PBF-24S150	2 Mpa	20	1 x 3/4	54	127	140	108	-	-	120	20	50	M6	15	F05
PBF-24S150	2 Mpa	25	1 1/4 x 1	58,75	140	153	117,5	-	-	300	25	50	M6	15	F05
PBF-24S150	2 Mpa	32	1 1/2 x 1 1/4	63,5	165	178	127	-	-	300	32	70	M8	15	F05
PBF-24S150	2 Mpa	40	2 x 1 1/2	76,25	178	191	152,5	-	-	300	40	70	M8	15	F05
PBF-24S150	2 Mpa	50	2 1/2 x 2	89	191	203	178	-	-	600	49	102	M10	15	F10
PBF-24S150	2 Mpa	65	3 x 2 1/2	95,25	203	216	190,5	-	-	600	63	102	M10	15	F10
PBF-24S150	2 Mpa	80	4 x 3	114,5	229	242	229	-	-	600	74	102	M10	15	F10
PBF-24S150	2 Mpa	100	6 x 4	139,8	394	407	279,5	300	180	-	100	125	M12	17	F12
PBF-24S150	2 Mpa	150	8 x 6	171,5	457	470	343	300	180	-	150	125	M12	17	F12
PBF-24S150	2 Mpa	200	10 x 8	203,3	533	546	406,5	300	180	-	201	125	M12	17	F12

PBF-24S 2-WAY HIGH PRESSURE BALL VALVES



SECTION A-A
SCALE 1:2.5



SPLIT BODY ANSI1300 PN50 FULL BORE

COMPONENTS	MATERIAL	(MIN/MAX TEMP. (°C)	PROVISIONS
BODY AND FLANGE	A105 ASTM A105	-20°+60°	API-6D ANSI B16.34 Specification for pipeline valves
	316L ASTM A276	-60°+230	API 598 Valve inspection and test
	LF2 ASTM A350	-40°+100°	ANSI B.16.34 Steel valves Flanged and butt welding ends
STEM	316L ASTM A276	-60°+230°	ANSI B16.5 Steel pipe flanges and flangedttings
BALL	316L ASTM A276	-60°+230	ANSI B16.10 Face to face and end to end dimensions of ferrous valves
STEM SEALS	PTFE	-220°+230°	ASTM American society for testing materials
	GRAPHITE	-	BS 6755 Testing of valves
BALL SEATS	POM	-30°+100	NACE MR-01-75 Sulfide stress cracking resistant metallic materials
	PTFE	-220°+230°	for oil field equipment
	PEEK	-50°+250°	UNI EN ISO 9001 quality system
	PA612	-45°+145	DIN/ISO 5211 for mounting
FLANGE SEALS	PTFE	-220°+230°	NOTES
	GRAPHITE	-	
O-RING	NBR	-40°+150°	
	VITON	-30°+100°	
	MFQ	-50°+150°	
BOLTS	ASTM A193 B8	-20°+100°	
NUT	ASTM A194 H2	-20° +100°	

PBF-24S 2-WAY HIGH PRESSURE BALL VALVES

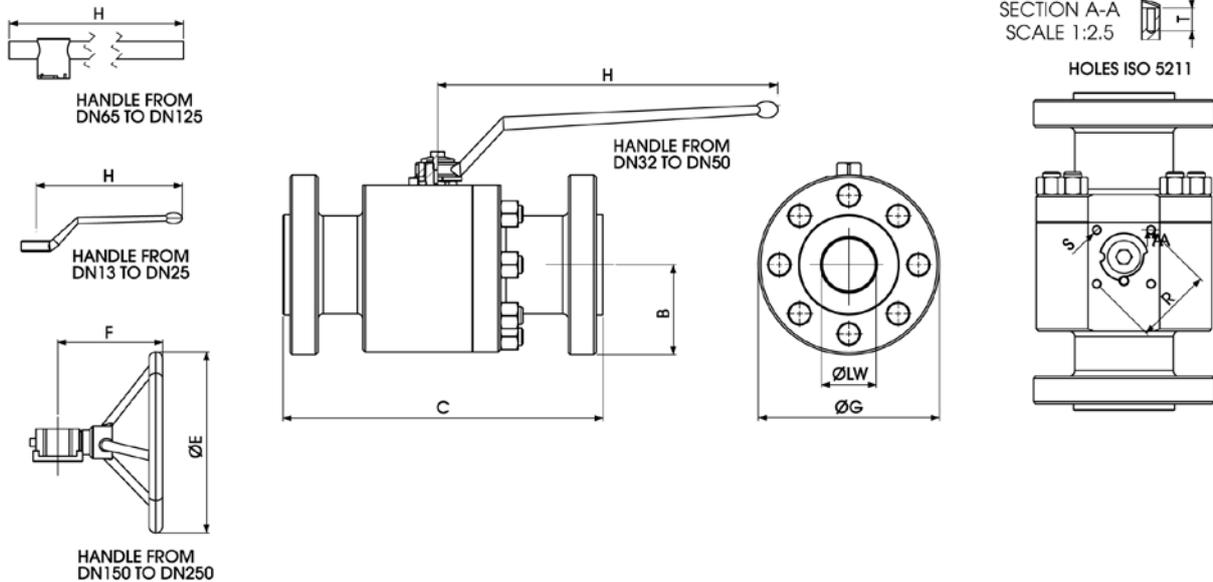
PBF-24S300 FB (Standard)

TYPE	PN	DN	INCH	B	C RF	C RTJ	ØG	ØE	F	H	ØLW	R	S	T	ISO5211
PBF-24S300	5 Mpa	13	1/2	47,6	140	151	95,2	-	-	110	13	36	M5	12	F03
PBF-24S300	5 Mpa	20	3/4	58,75	152	165	117,5	-	-	120	20	50	M5	12	F03
PBF-24S300	5 Mpa	25	1	62	165	178	123,8	-	-	120	25	50	M6	15	F05
PBF-24S300	5 Mpa	32	1 1/4	66,15	178	191	133,3	-	-	300	32	50	M6	15	F05
PBF-24S300	5 Mpa	40	1 1/2	77,8	191	203	155,6	-	-	300	40	70	M8	15	F05
PBF-24S300	5 Mpa	50	2	82,55	216	232	165,1	-	-	300	49	70	M8	15	F05
PBF-24S300	5 Mpa	65	2 1/2	95,25	241	257	190,5	-	-	600	63	102	M10	15	F10
PBF-24S300	5 Mpa	80	3	104,75	283	299	209,5	-	-	600	74	102	M10	15	F10
PBF-24S300	5 Mpa	100	4	127	305	321	254	-	-	600	100	102	M10	15	F10
PBF-24S300	5 Mpa	150	6	158,8	403	419	317,5	300	180	-	150	125	M12	17	F12
PBF-24S300	5 Mpa	200	8	190,5	502	518	381	300	180	-	201	125	M12	17	F12
PBF-24S300	5 Mpa	250	10	203,25	568	584	406,5	300	180	-	252	125	M12	17	F12

PBF-24S300 RB (Standard)

TYPE	PN	DN	INCH	B	C RF	C RTJ	ØG	ØE	F	H	ØLW	R	S	T	ISO5211
PBF-24S300	5 Mpa	13	3/4 x 1/2	58,75	152	165	117,5	-	-	120	13	50	M5	12	F03
PBF-24S300	5 Mpa	20	1 x 3/4	62	165	178	123,8	-	-	120	20	50	M6	15	F05
PBF-24S300	5 Mpa	25	1 1/4 x 1	66,15	178	191	133,3	-	-	300	25	50	M6	15	F05
PBF-24S300	5 Mpa	32	1 1/2 x 1 1/4	77,8	191	203	155,6	-	-	300	32	50	M8	15	F05
PBF-24S300	5 Mpa	40	2 x 1 1/2	82,55	216	232	165,1	-	-	300	40	70	M8	15	F05
PBF-24S300	5 Mpa	50	2 1/2 x 2	95,25	241	257	190,5	-	-	600	49	70	M10	15	F10
PBF-24S300	5 Mpa	65	3 x 2 1/2	104,75	283	257	209,5	-	-	600	63	102	M10	15	F10
PBF-24S300	5 Mpa	80	4 x 3	127	305	321	254	-	-	600	74	102	M10	15	F10
PBF-24S300	5 Mpa	100	6 x 4	158,8	403	419	317,5	300	180	-	100	125	M12	17	F12
PBF-24S300	5 Mpa	150	8 x 6	190,5	502	518	381	300	180	-	150	125	M12	17	F12
PBF-24S300	5 Mpa	200	10 x 8	203,25	568	584	406,5	300	180	-	201	125	M12	17	F12

PBF-24S 2-WAY HIGH PRESSURE BALL VALVES



SPLIT BODY ANSI600 PN100 FULL BORE

COMPONENTS	MATERIAL	(MIN/MAX TEMP. (°C)	PROVISIONS
BODY AND FLANGE	A105 ASTM A105	-20°+60°	API-6D ANSI B16.34 Specification for pipeline valves
	316L ASTM A276	-60°+230	API 598 Valve inspection and test
	LF2 ASTM A350	-40°+100°	ANSI B.16.34 Steel valves Flanged and butt welding ends
STEM	316L ASTM A276	-60°+230°	ANSI B16.5 Steel pipe flanges and flanged fittings
BALL	316L ASTM A276	-60°+230	ANSI B16.10 Face to face and end to end dimensions of ferrous valves
STEM SEALS	PTFE	-220°+230°	ASTM American society for testing materials
	GRAPHITE	-	BS 6755 Testing of valves
BALL SEATS	POM	-30°+100	NACE MR-01-75 Sulfide stress cracking resistant metallic materials
	PTFE	-220°+230°	for oil field equipment
	PEEK	-50°+250°	UNI EN ISO 9001 quality system
	PA612 METAL	-45°+145 -60°+230	DIN/ISO 5211 for mounting
FLANGE SEALS	PTFE	-220°+230°	NOTES
	GRAPHITE	-	
O-RING	NBR	-40°+150°	
	VITON	-30°+100°	
	MFQ	-50°+150°	
BOLTS	ASTM A193 B8	-20° +100°	
NUT	ASTM A194 H2	-20° +100°	

PBF-24S 2-WAY HIGH PRESSURE BALL VALVES

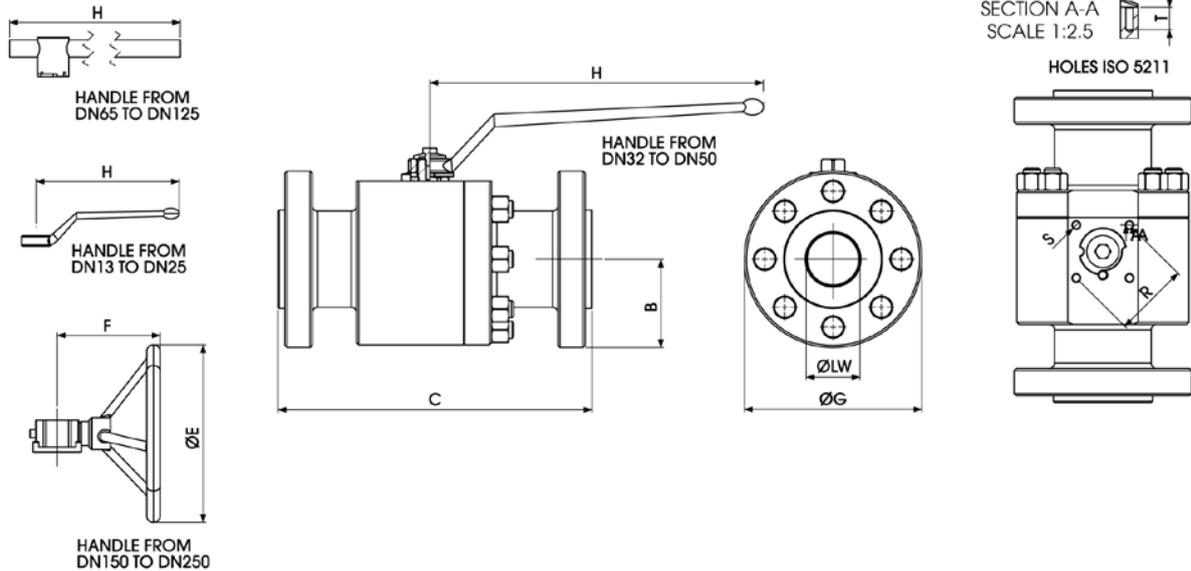
PBF-24S600 FB (Standard)

TYPE	PN	DN	INCH	B	C RF	C RTJ	ØG	ØE	F	H	ØLW	R	S	T	ISO5211
PBF-24S	10 Mpa	13	1/2	47,6	165	163,5	95,25	-	-	110	13	36	M5	12	F03
PBF-24S	10 Mpa	20	3/4	58,75	190	190,5	117,5	-	-	120	20	50	M5	12	F03
PBF-24S	10 Mpa	25	1	62	216	216	124	-	-	120	25	50	M6	15	F05
PBF-24S	10 Mpa	32	1 1/4	66,75	228,5	228,5	133,5	-	-	300	32	50	M6	15	F05
PBF-24S	10 Mpa	40	1 1/2	77,75	241	241	155,5	-	-	300	40	70	M8	15	F05
PBF-24S	10 Mpa	50	2	82,5	292	295,3	165	-	-	300	49	70	M8	15	F05
PBF-24S	10 Mpa	65	2 1/2	95,25	330	333	190,5	-	-	600	63	102	M10	15	F10
PBF-24S	10 Mpa	80	3	104,75	356	359	209,5	-	-	600	74	102	M10	15	F10
PBF-24S	10 Mpa	100	4	136,5	432	435	273	-	-	600	100	102	M10	15	F10
PBF-24S	10 Mpa	150	6	177,5	559	562	355,5	300	180	-	150	125	M12	17	F12
PBF-24S	10 Mpa	200	8	209,5	660	663	419	300	180	-	201	125	M12	17	F12
PBF-24S	10 Mpa	250	10	254	787,5	791	508	300	180	-	252	125	M12	17	F12

PBF-24S RB (Standard)

TYPE	PN	DN	INCH	B	C RF	C RTJ	ØG	ØE	F	H	ØLW	R	S	T	ISO5211
PBF-24S	10 Mpa	13	3/4 x 1/2	58,75	190	190,5	117,5	-	-	120	13	50	M5	12	F03
PBF-24S	10 Mpa	20	1 x 3/4	62	216	216	124	-	-	120	20	50	M6	15	F05
PBF-24S	10 Mpa	25	1 1/4 x 1	66,75	228,5	228,5	133,5	-	-	300	25	50	M6	15	F05
PBF-24S	10 Mpa	32	1 1/2 x 1 1/4	77,75	241	241	155,5	-	-	300	32	70	M8	15	F05
PBF-24S	10 Mpa	40	2 x 1 1/2	82,5	292	295,3	165	-	-	300	40	70	M8	15	F05
PBF-24S	10 Mpa	50	2 1/2 x 2	95,25	330	333	190,5	-	-	300	49	102	M10	15	F10
PBF-24S	10 Mpa	65	3 x 2 1/2	104,75	356	359	209,5	-	-	600	63	102	M10	15	F10
PBF-24S	10 Mpa	80	4 x 3	136,5	432	435	273	-	-	600	74	102	M10	15	F10
PBF-24S	10 Mpa	100	6 x 4	177,5	559	562	355,5	300	180	-	100	125	M12	17	F12
PBF-24S	10 Mpa	150	8 x 6	209,5	660	663	419	300	180	-	150	125	M12	17	F12
PBF-24S	10 Mpa	200	10 x 8	254	787,5	791	508	300	180	-	201	125	M12	17	F12

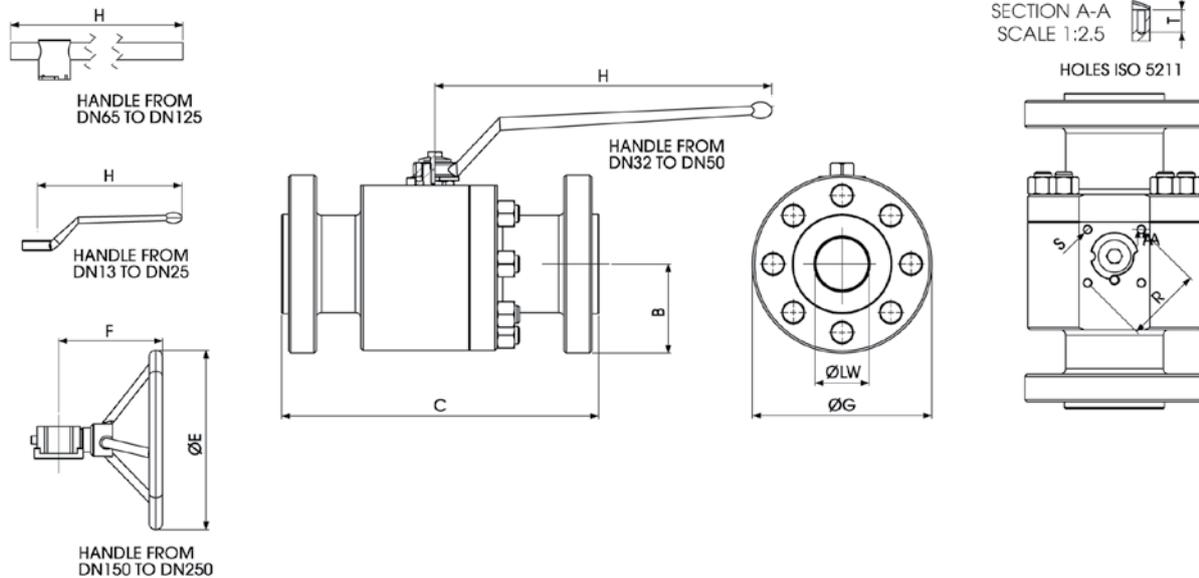
PBF-24S 2-WAY HIGH PRESSURE BALL VALVES



SPLIT BODY ANSI900 PN150 FULL BORE

COMPONENTS	MATERIAL	(MIN/MAX TEMP. (°C)	PROVISIONS
BODY AND FLANGE	A105 ASTM A105	-20°+60°	API-6D ANSI B16.34 Specification for pipeline valves
	316L ASTM A276	-60°+230°	API 598 Valve inspection and test
	LF2 ASTM A350	-40°+100°	ANSI B.16.34 Steel valves Flanged and butt welding ends
STEM	316L ASTM A276	-60°+230°	ANSI B16.5 Steel pipe flanges and flangedttings
BALL	316L ASTM A276	-60°+230	ANSI B16.10 Face to face and end to end dimensions of ferrous valves
STEM SEALS	PTFE	-220°+230°	ASTM American society for testing materials
	GRAPHITE	-	BS 6755 Testing of valves
BALL SEATS	POM	-30°+100	NACE MR-01-75 Sulfide stress cracking resistant mettalic materials
	PTFE	-220°+230°	for oil field equipmentt
	PEEK	-50°+250°	UNI EN ISO 9001 quality system
	PA612 METAL	-45°+145 -60°+230	DIN/ISO 5211 for mounting
FLANGE SEALS	PTFE	-220°+230°	NOTES
	GRAPHITE	-	
O-RING	NBR	-40°+150°	
	VITON	-30°+100°	
	MFQ	-50°+150°	
BOLTS	ASTM A193 B8	+100° -20°	
NUT	ASTM A194 H2	-20° +100°	

PBF-24S 2-WAY HIGH PRESSURE BALL VALVES



SPLIT BODY ANSI1500 PN250 FULL BORE

COMPONENTS	MATERIAL	(MIN/MAX TEMP. (°C)	PROVISIONS
BODY AND FLANGEE	A105 ASTM A105	-20°+60°	API-6D ANSI B16.34 Specification for pipeline valves
	316L ASTM A276	-60°+230°	API 598 Valve inspection and test
	LF2 ASTM A350	-40°+100°	ANSI B.16.34 Steel valves Flanged and butt welding ends
STEM	316L ASTM A276	-60°+230°	ANSI B16.5 Steel pipe flanges and flanged fittings
BALL	316L ASTM A276	-60°+230	ANSI B16.10 Face to face and end to end dimensions of ferrous valves
STEM SEALS	PTFE	-220°+230°	ASTM American society for testing materials
BALL SEATS	GRAPHITE	-	BS 6755 Testing of valves
	POM	-30°+100	NACE MR-01-75 Sulfide stress cracking resistant metallic materials
	PTFE	-220°+230°	for oil field equipment
	PEEK	-50°+250°	UNI EN ISO 9001 quality system
	PA612 METAL	-45°+145 -60°+230	DIN/ISO 5211 for mounting
FLANGE SEALS	PTFE	-220°+230°	NOTES
	GRAPHITE	-	
O-RING	NBR	-40°+150°	
	VITON	-30°+100°	
	MFQ	-50°+150°	
BOLTS	ASTM A193 B8	+100° -20°	
NUT	ASTM A194 H2	-20° +100°	

PBF-24S 2-WAY HIGH PRESSURE BALL VALVES

Use Class 1500 dimensions in these size

PBF-24S FB (Standard)

TYPE	PN	DN	INCH	B	C RF	C RTJ	ØG	ØE	F	H	ØLW	R	S	T	ISO5211
PBF-24S	25 Mpa	80	3	133,5	470	473	267	-	-	600	74	102	M10	15	F10
PBF-24S	15 Mpa	100	4	155,5	457	460	292	-	-	600	100	125	M12	17	F12
PBF-24S	15 Mpa	150	6	197	610	613	381	300	180	-	150	125	M12	17	F12
PBF-24S	15 Mpa	200	8	241,5	737	740	470	300	180	-	201	125	M12	17	F12
PBF-24S	15 Mpa	250	10	292	838	841	546	300	180	-	252	125	M12	17	F12

PBF-24S RB (Standard)

TYPE	PN	DN	INCH	B	C RF	C RTJ	ØG	ØE	F	H	ØLW	R	S	T	ISO5211
PBF-24S	15 Mpa	80	4 x 3	146	457	460	292	-	-	600	80	125	M12	17	F12
PBF-24S	15 Mpa	100	6 x 4	190,5	610	613	381	300	180	-	100	125	M12	17	F12
PBF-24S	15 Mpa	150	8 x 6	235	737	740	470	300	180	-	150	125	M12	17	F12
PBF-24S	15 Mpa	200	10 x 8	273	838	841	546	300	180	-	201	125	M12	17	F12

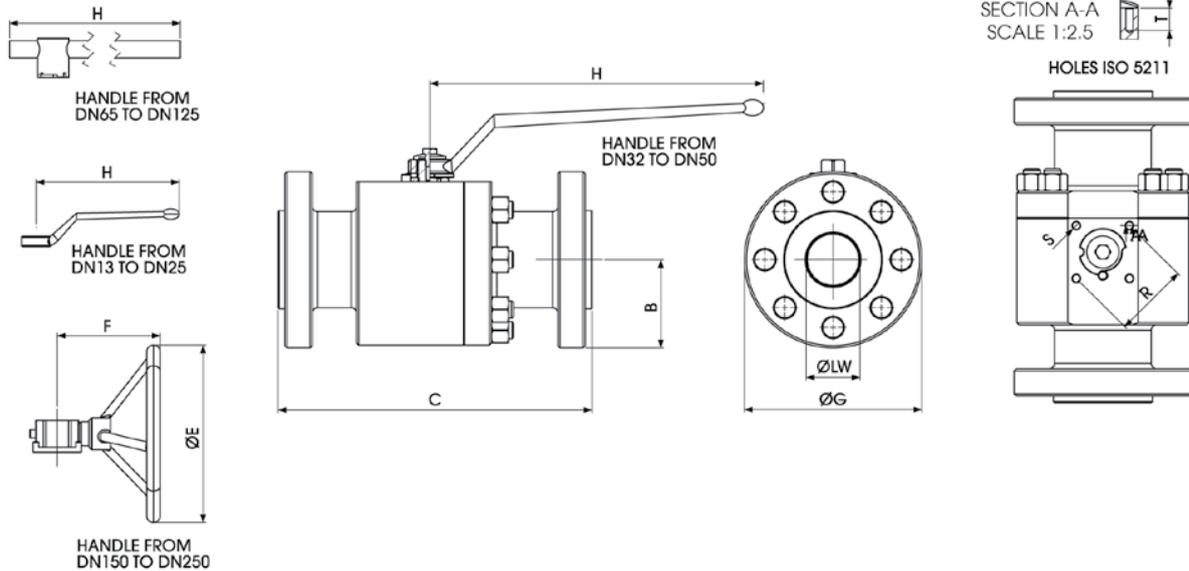
PBF-24S FB (Standard)

TYPE	PN	DN	INCH	B	C RF	C RTJ	ØG	ØE	F	H	ØLW	R	S	T	ISO 5211
SB 1500	25 Mpa	13	1/2	60.5	229	229	121	-	-	110	13	36	M5	15	F03
SB 1500	25 Mpa	20	3/4	65	254	254	130	-	-	120	19	50	M6	15	F05
SB 1500	25 Mpa	25	1	74.5	279	279	149	-	-	120	25	50	M6	15	F05
SB 1500	25 Mpa	32	1 1/4	79.5	292	292	159	-	-	300	32	70	M8	15	F07
SB 1500	25 Mpa	40	1 1/2	89	305	305	178	-	-	300	38	70	M8	15	F07
SB 1500	25 Mpa	50	2	108	368	371	216	-	-	300	49	102	M10	15	F10
SB 1500	25 Mpa	65	2 1/2	122	419	422	244	-	-	600	62	102	M10	15	F10
SB 1500	25 Mpa	80	3	133.5	470	473	267	-	-	600	74	102	M10	15	F10
SB 1500	25 Mpa	100	4	155.5	546	549	311	-	-	600	100	125	M12	17	F12
SB 1500	25 Mpa	150	6	197	705	711	394	300	180	-	144	125	M12	17	F12
SB 1500	25 Mpa	200	8	241.5	832	841	483	300	180	-	192	125	M12	17	F12
SB 1500	25 Mpa	250	10	292	991	1000	584	300	180	-	239	125	M12	17	F12

PBF-24S RB (Standard)

TYPE	PN	DN	INCH	B	C RF	C RTJ	ØG	ØE	F	H	ØLW	R	S	T	ISO5211
SB 1500	25 Mpa	13	3/4 x 1/2	65	254	254	130	-	-	120	13	50	M6	15	F05
SB 1500	25 Mpa	20	1 x 3/4	74.5	279	279	149	-	-	120	19	50	M6	15	F05
SB 1500	25 Mpa	25	1 1/4 x 1	79.5	292	292	159	-	-	300	25	50	M6	15	F05
SB 1500	25 Mpa	32	1 1/2 x 1 1/4	89	305	305	178	-	-	300	32	70	M8	15	F07
SB 1500	25 Mpa	40	2 x 1 1/2	108	368	371	216	-	-	300	38	70	M8	15	F07
SB 1500	25 Mpa	50	2 1/2 x 2	122	419	422	244	-	-	600	49	102	M10	15	F10
SB 1500	25 Mpa	65	3 x 2 1/2	133.5	470	473	267	-	-	600	62	102	M10	15	F10
SB 1500	25 Mpa	80	4 x 3	155.5	546	549	311	-	-	600	74	102	M10	15	F10
SB 1500	25 Mpa	100	6 x 4	197	705	711	394	300	180	-	100	125	M12	17	F12
SB 1500	25 Mpa	150	8 x 6	241.5	832	841	483	300	180	-	144	125	M12	17	F12
SB 1500	25 Mpa	200	10 x 8	292	991	1000	584	300	180	-	192	125	M12	17	F12

PBF-24S 2-WAY HIGH PRESSURE BALL VALVES



SPLIT BODY ANSI2500 PN420 FULL BORE

COMPONENTS	MATERIAL	(MIN/MAX TEMP. (°C)	PROVISIONS
BODY AND FLANGEE	A105 ASTM A105	-20°+60°	API-6D ANSI B16.34 Specification for pipeline valves
	316L ASTM A276	-60°+230°	API 598 Valve inspection and test
	LF2 ASTM A350	-40°+100°	ANSI B.16.34 Steel valves Flanged and butt welding ends
STEM	316L ASTM A276	-60°+230°	ANSI B16.5 Steel pipe flanges and flangedttings
BALL	316L ASTM A276	-60°+230	ANSI B16.10 Face to face and end to end dimensions of ferrous valves
STEM SEALS	PTFE	-220°+230°	ASTM American society for testing materials
	GRAPHITE	-	BS 6755 Testing of valves
BALL SEATS	POM	-30°+100	NACE MR-01-75 Sulfide stress cracking resistant mettalic materials
	PTFE	-220°+230°	for oil field equipment
	PEEK	-50°+250°	UNI EN ISO 9001 quality system
	PA612 METAL	-45°+145 -60°+230	DIN/ISO 5211 for mounting
FLANGE SEALS	PTFE	-220°+230°	NOTES
	GRAPHITE	-	
O-RING	NBR	-40°+150°	
	VITON	-30°+100°	
	MFQ	-50°+150°	
BOLTS	ASTM A193 B8	+100° -20°	
NUT	ASTM A194 H2	-20° +100°	

PBF-24S 2-WAY HIGH PRESSURE BALL VALVES

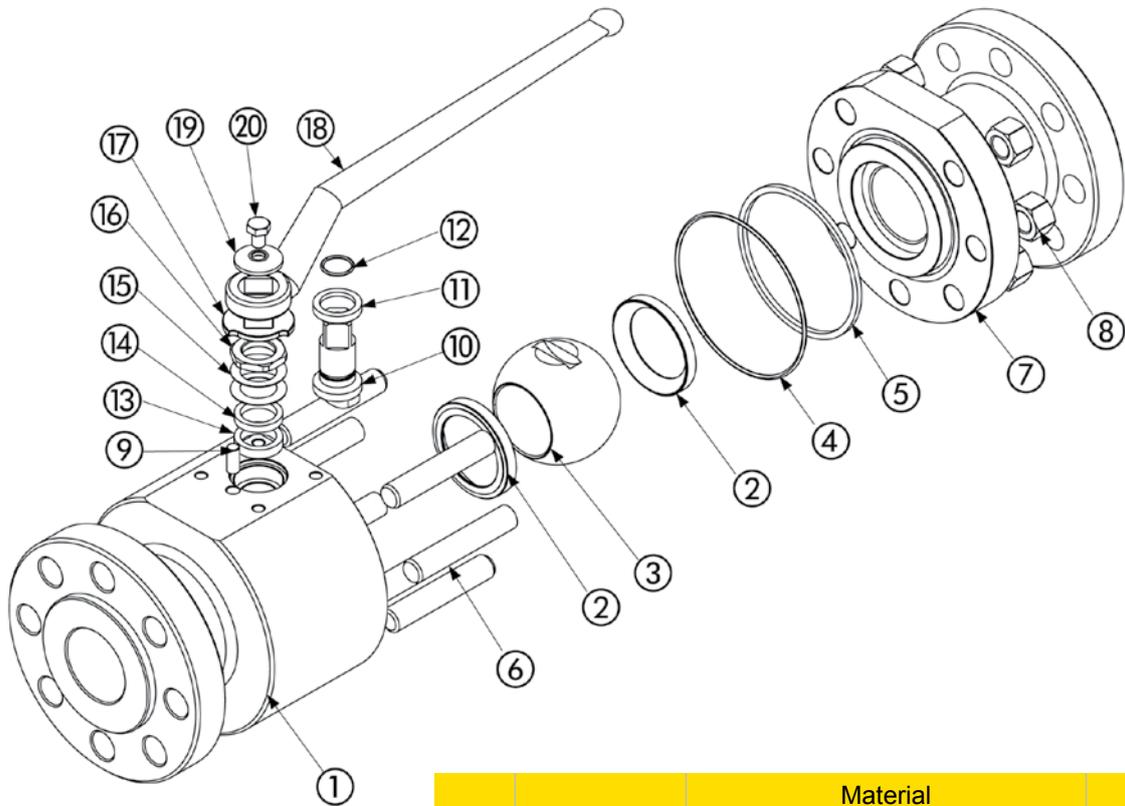
PBF-24S RB (Standard)

TYPE	PN	DN	INCH	B	C RF	C RTJ	ØG	ØE	F	H	ØLW	R	S	T	ISO5211
SB 2500	42 Mpa	13	1/2	66,5	264	264	133	-	-	110	13	36	M5	15	F03
SB 2500	42 Mpa	20	3/4	70	273	273	140	-	-	120	19	50	M6	15	F05
SB 2500	42 Mpa	25	1	79,5	308	308	159	-	-	120	25	50	M6	15	F05
SB 2500	42 Mpa	32	1 1/4	92	356	356	184	-	-	300	32	70	M8	15	F07
SB 2500	42 Mpa	40	1 1/2	101,5	387	387	203	-	-	300	38	70	M8	15	F07
SB 2500	42 Mpa	50	2	117,5	451	454	235	-	-	300	42	102	M10	15	F10
SB 2500	42 Mpa	65	2 1/2	133,5	508	511	267	-	-	600	52	102	M10	15	F10
SB 2500	42 Mpa	80	3	152,2	578	584	305	-	-	600	62	102	M10	15	F10
SB 2500	42 Mpa	100	4	178	673	683	356	-	-	600	87	125	M12	17	F12
SB 2500	42 Mpa	150	6	241,5	914	927	483	300	180	-	131	125	M12	17	F12
SB 2500	42 Mpa	200	8	275	1022	1038	550	300	180	-	179	125	M12	17	F12
SB 2500	42 Mpa	250	10	337,5	1270	1292	675	300	180	-	223	125	M12	17	F12

PBF-24S RB (Standard)

TYPE	PN	DN	INCH	B	C RF	C RTJ	ØG	ØE	F	H	ØLW	R	S	T	ISO5211
SB 2500	42 Mpa	13	3/4 x 1/2	70	273	273	140	-	-	120	13	50	M6	15	F05
SB 2500	42 Mpa	20	1 x 3/4	79,5	308	308	159	-	-	120	19	50	M6	15	F05
SB 2500	42 Mpa	25	1 1/4 x 1	92	356	356	184	-	-	300	25	70	M8	15	F07
SB 2500	42 Mpa	32	1 1/2 x 1 1/4	101,5	387	387	203	-	-	300	32	70	M8	15	F07
SB 2500	42 Mpa	40	2 x 1 1/2	117,5	451	454	235	-	-	300	38	102	M10	15	F10
SB 2500	42 Mpa	50	2 1/2 x 2	133,5	508	511	267	-	-	600	42	102	M10	15	F10
SB 2500	42 Mpa	65	3 x 2	152,5	578	584	305	-	-	600	52	102	M10	15	F10
SB 2500	42 Mpa	80	4 x 3	178	673	683	356	-	-	600	62	125	M12	17	F12
SB 2500	42 Mpa	100	6 x 4	241,5	914	927	483	300	180	-	87	125	M12	17	F12
SB 2500	42 Mpa	150	8 x 6	275	1022	1038	550	300	180	-	131	125	M12	17	F12
SB 2500	42 Mpa	200	10 x 8	337,5	1270	1292	675	300	180	-	179	125	M12	17	F12

PBF-24S 2-WAY HIGH PRESSURE BALL VALVES



Pos	Description	Material		Q.ta
		C.S.	S.S.	
1	Body	1,0570	1.4404	1
2	Ball	1,4462	1.4462	1
3	Ball seat	PTFE	PTFE	2
4	Flange o-ring	NBR	NBR	1
5	Flange ring	PTFE	PTFE	1
6	Bolts	ASTM A193 B8	ASTM A193 B8	8
7	Flange	1,0570	1.4404	1
8	Nut	ASTM A194 H2	ASTM A194 H2	8
9	Spine	1,4301	1.4301	1
10	Stem	1,4462	1.4462	1
11	Stem ring	PTFE	PTFE	1
12	Stem o-ring	NBR	NBR	1
13	Up ring	PTFE	PTFE	
14	Press ring	1,4301	1.4301	1
15	Spring	1,4301	1.4301	2
16	Nut	1,4301	1.4301	1
17	Washer	1,4301	1.4301	1
18	Handle	1,0116	1.4301	1
19	Washer	1,4301	1.4301	1
20	Screw	DIN6921 A2	DIN6921 A2	1

On request

- Reduced bore
- O-Ring in EPDM, FFKM, MQV
- Seals in PEEK, PA 612, RPTFE, PTFE
- Pressure Class ANSI 150-300-600
- Pneumatic and electrical actuator
- Locking device

• For further special requests please consult our technical/commercial service