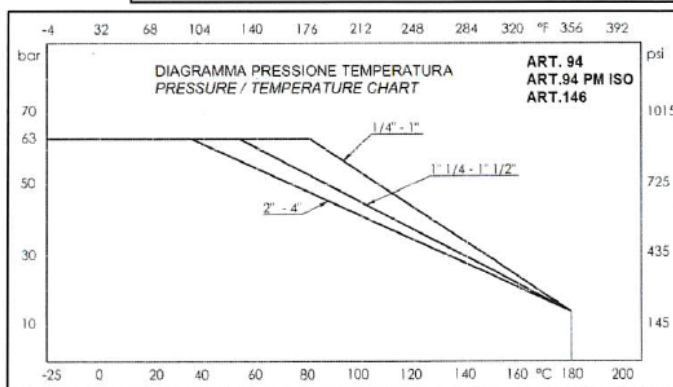


IN ACCORDING TO DIRECTIVE PED 2014/68/EU

STANDARD VALVE FEATURES

- Working temperature : MIN. -25°C MAX. +180 °C (see the pressure/temperature diagram)
- Max pressure : 63 bar from DN 1/4" to DN 4"
- Threaded ends : ISO 228/1
- Possibility of locking device

-NOT SUITABLE FOR CHOKING
-NOT SUITABLE FOR STEAM
 DATA AND FEATURES INDICATED IN THIS BROCHURE ARE JUST FOR INFORMATION.



Materials

Component	Material
1 Body	AISI 316
2 Liner	AISI 316
3 Ball	AISI 316
4 Ball seal	Reinforced PTFE
5 Stern	AISI 316
6 Sliding washer	PTFE
7 Ring	AISI 304
8 Stern seal	PTFE
9 Lever	AISI 304 with plastic sleeve

Component	Material
10 Lock device	AISI 304
11 Body seal	PTFE
16 Nut	AISI 304
17 Spring washer	AISI 301

Dimensions (mm)

DN	1/4"	3/8"	1/2"	3/4"	1"	1" 1/4"	1" 1/2"	2"	2" 1/2"	3"	4"
P	11,5	12,5	15	20	25	32	40	50	65	76	94
A	49	49	57	64	77	90	105	125	154	173	221
B	100	100	100	115	150	150	180	180	245	245	278
H	54	54	56	65	70	75	93	99	123	140	175

Weight (kg)

	0,23	0,23	0,24	0,45	0,65	1,05	1,7	2,61	5,01	7,61	14,75
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Operating torque (Nm)

Nm	4	4	5	8	10	14	18	25	48	75	110
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We don't assume the responsibility if you use products which are not consistent with the material used for the construction of our valves. To be used as a guide only, IDROSFER reserve the right to change these data without notice.

ASSEMBLY, USE AND MAINTENANCE INSTRUCTION

EQUIPMENT PRESSURE DESCRIPTION: TWO AND THREE WAY BALL VALVES, WITH STAINLESS STEEL BODY, FLOATING BALL

Suitable for chemical and industrial plants, for heating and conditioning (HVAC), district heating, agricultural applications, oils and hydrocarbons. (Please ensure the choice of the corresponding item)

YES: for services with frequent actuation; suitable for installing of manual, electric and pneumatic servo-commands.

NO: for steam, for choking and regulation of the flow.

STORING

Keep in a dry and closed place.

MAINTENANCE

The valve does not require maintenance.

RECOMMENDATIONS

Before carrying out maintenance, or dismantling the valve, be sure that the pipes, valves and liquids have cooled down, that the pressure has decreased and that the lines and pipes have been drained in case of toxic, corrosive, inflammable or caustic liquids. Temperatures above 50°C and below 0°C might cause damage to people.

INSTALLATION

Handle with care. The valve must be installed in either the ON or OFF position.

Water hammers might cause damage and ruptures. Inclination, torsions and misalignments of the piping may subject the installed valve to excessive stresses. It is recommended that elastic joints be used in order to reduce such effects as much as possible.

At sub-zero temperatures, the liquid between the body and ball may freeze, causing irreparable damage. If the valve is exposed to such conditions, insulation of the valve is recommended.

It is recommended that the valve be operated periodically, to prevent the build-up of materials on the ball and the seats.

DISPOSAL

For valve operating with hazardous media (toxic, corrosive...), if there is a possibility of residue remaining in the valve, take due safety precaution and carry out required cleaning operation. Personnel in charge must be trained and equipped with appropriate protection devices. Prior to disposal, disassemble the valve and separate the component according to various materials. Please refer to product literature for more information. Forward sorted material to recycling (e.g. metallic materials) or disposal, according to local and currently valid legislation and under consideration of the environment.