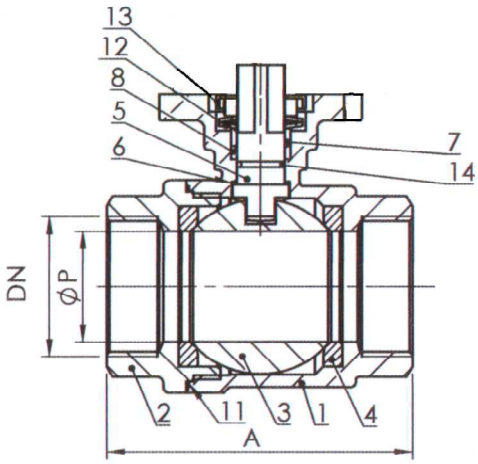
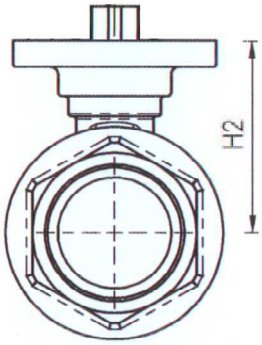
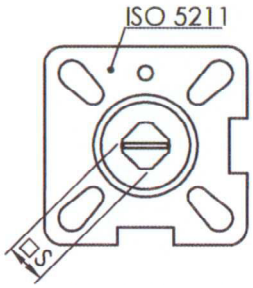
ART. 94 PM ISO

STAINLESS STEEL TWO WAY BALL VALVE READY FOR MOTORIZATION

IN ACCORDING TO DIRECTIVE PED 2014/68/EU

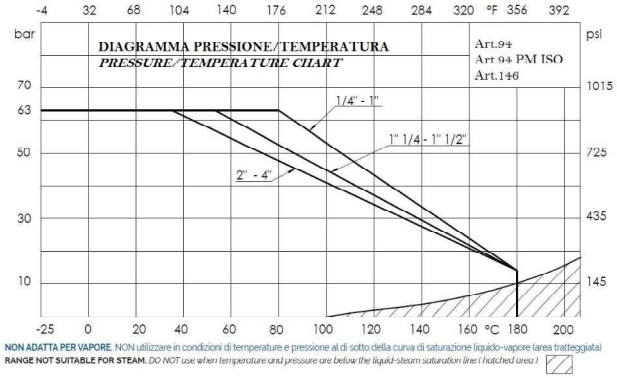






COMPONENT/MATERIAL

	Component	Material
1	Body	Stainless steel ASTM A351 CF8M
2	Sleeve	Stainless steel ASTM A351 CF8M
3	Ball	Stainless steel AISI 316
4	Ball seat	Reinforced PTFE
5	Stem	Stainless steel AISI 316
6	Sliding washer	PTFE
7	Ring	Stainless steel AISI 304
8	Stem seal	PTFE
11	Body seal	PTFE
12	Belleville Spring	Stainless steel AISI 301
13	Spacer	Stainless steel AISI 304
14	O-ring	FKM (Viton®)



DIMENSIONS

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
ISO 5211	F03	F03	F03/F04	F03/F04	F04/F05	F04/F05	F05/F07	F05/F07	F07/F10	F07/F10	F07/F10
H2	37	37	37	43	46	54	60	68	93	109	121
S	9	9	9	9	11	11	14	14	17	17	17

WEIGHT

Kg	0.37	0.35	0.37	0.49	0.74	1.18	1.94	2.90	5.77	8.45	15.60

OPERATING TORQUE

Nm	5	5	5	8	10	14	18	25	48	75	110

STANDARD VALVE FEATURES

-Working temperature : MIN. -25°C / MAX. +180°C (see the pressure-temperature diagram)
-Max pressure : 63 bar da 1/4" a 4"
-Threaded ends : ISO 228/1
-Lockable

-NOT SUITABLE FOR CHOKING
-NOT SUITABLE FOR STEAM

DATA AND FEATURES INDICATED IN THIS BROCHURE ARE PROVIDED INDICATIVE

Idrosfer declines every responsibility if products that are not compatible with materials used for the construction of their valves are identified.
To be used as a guide only, Idrosfer reserves the right to modify these details if deems it appropriate and without giving prior notice.

03/2019

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.
CAUTION: *Applying too much clamping force and a wrong handle can cause damage to the valve and compromising correct operation.*
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.