

Hercules manual carbon steel ball valve

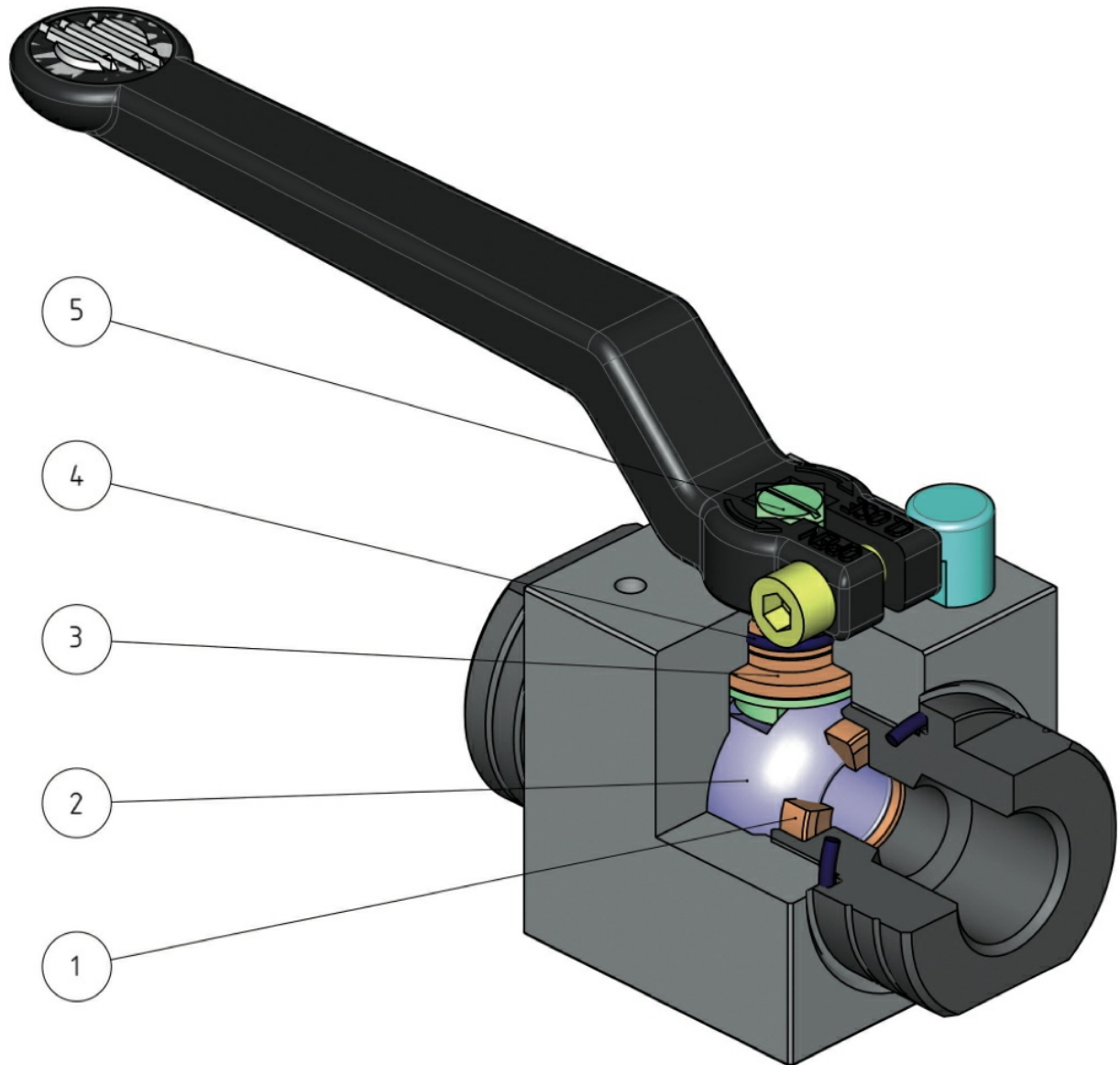


Macro Ball valves

Category Hercules

Subcategory Hercules manual

benefits



1. Seat in "MAST ERAMMIDE"*

Less wear comparing with not modify seat

High resistance to stress

2. Stainless steel ball, coated with 40µm Hard Chrome

Longer seal life due to the low wear of the ball

3. "MAST ERAMMIDE" stem bush

It grants a perfect alignment of the shaft on the body and prevents oscillations with high pressure

No seizing

4. Elastomer O-Ring with a hardness of 90 Shore A

No deterioration with quick operations

4. Low-permeability O-ring "Rapid Gas Decompression"

Good resistance to explosive decompression

5. Stem in 17-4 PH H900

Increased mechanical strenght about 5 times more compared to a standard 316 S.S.

5. Shaft rolling

Less wear of the seals due to the low roughness (0,4 micron Ra) which facilitate the sliding of the shaft

PED Certificate

Full compliance with European safety standards for pressure equipment (for DN> 25)

*Blend of polymers and aramid filler

features

GENERAL FEATURES:

- Threaded ends EN ISO 228 or NPT
- Working temperature: -20°C +100°C with NBR Oring; -20°C +130°C with FKM Oring (on request)
- Working pressure: DN6, DN8, DN10, DN15 PN500/7000 psi; DN20 e DN25 PN400/6000 psi; DN32, DN40, DN50 PN320/4500 psi
- Fluid range: Different fluids, liquid and gaseous, compatible with the constructive materials

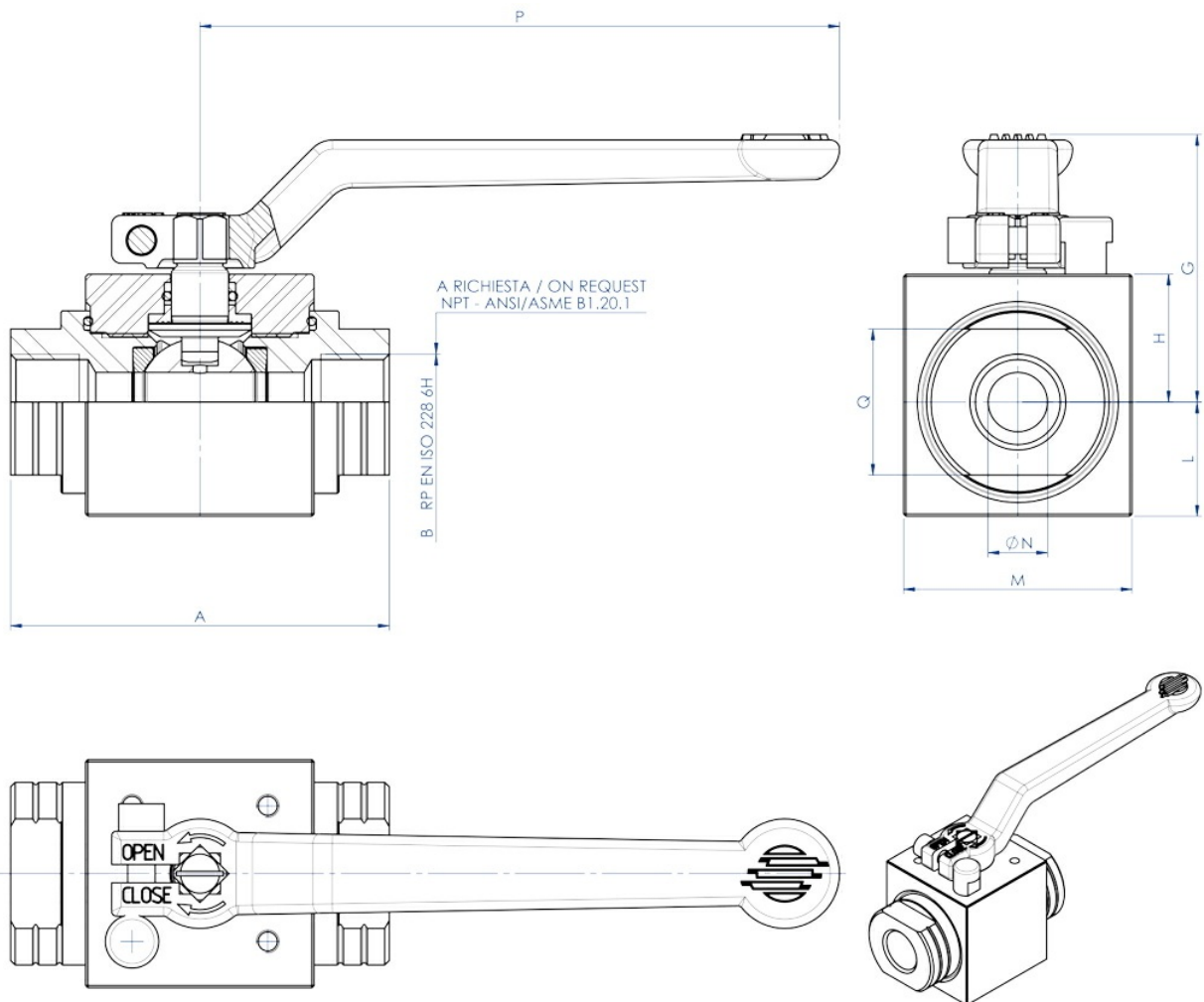
SPECIAL EXECUTION ON REQUEST:

For other applications, please contact our sales department

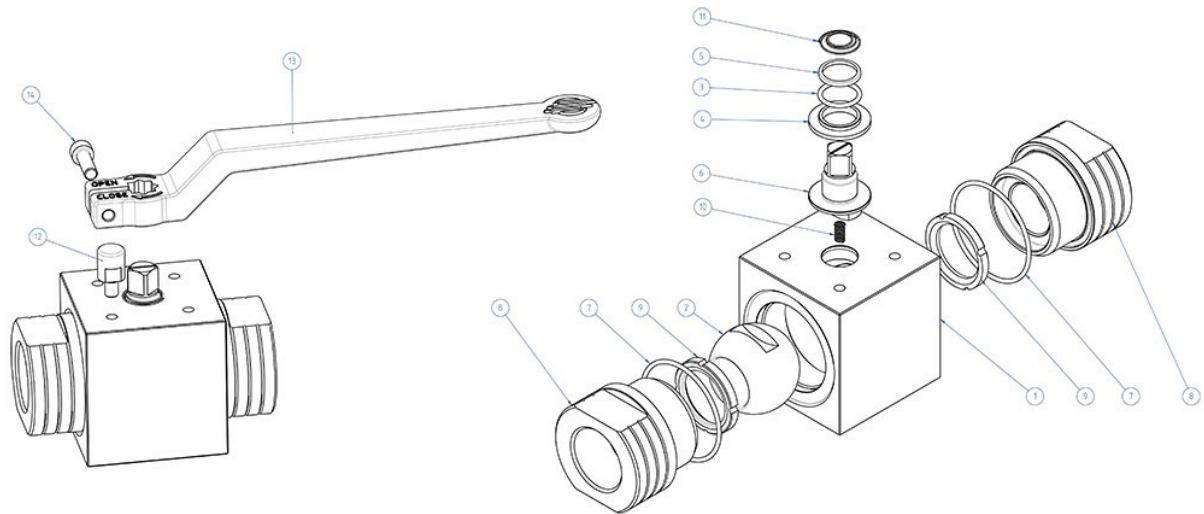
CERTIFICATIONS:

In compliance with European Directive 2014/68/EU PED.

dimensions



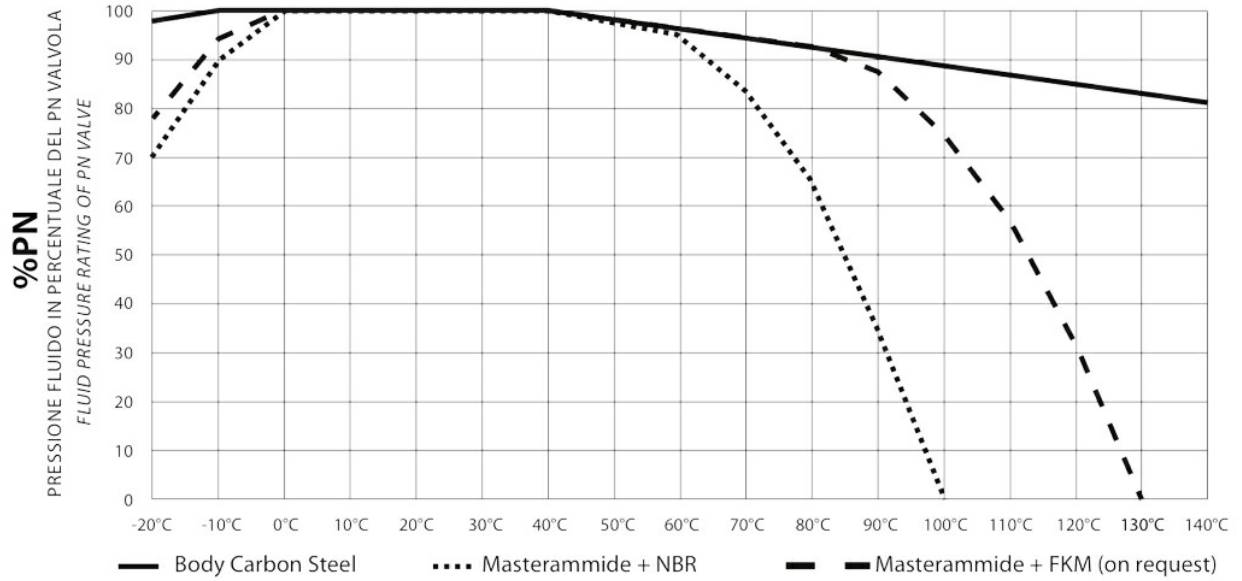
SIZE		DIMENSIONS									
DN [mm]	[inch]	A	B	G	H	L	M	Ø N	P	Ch.Q	
DN 6	1/8"	69	1/8"	43,1	17	13	30	6	103,5	19	
DN 8	1/4"	69	1/4"	43,1	17	13	30	6	103,5	19	
DN 10	3/8"	72	3/8"	55,8	25,3	19,7	45	9	140	24	
DN 15	1/2"	83	1/2"	58,6	28	25	50	13	140	32	
DN 20	3/4"	95	3/4"	67,3	31	27,5	55	19	212	37	
DN 25	1"	113	1"	71,3	35	32,5	65	25	212	45	
DN 32	1"1/4"	111	1"1/4"	83,6	42	38	80	32	315	55	
DN 40	1"1/2"	130	1"1/2"	87,6	46	44	90	38	315	65	
DN 50	2"	140	2"	102,7	61	59	120	51	315	80	

materials


MATERIALS		
1	Body	≤DN25: 1.0737 (11SMnPb37); ≥DN32: 1.0577 (S355J2) Galvanized
2	Ball	A217 CA15 / A479 tp. 410 / A182 F6A + Hard chromium plated
3	O-ring	NBR (FKM on request)
4	Lower bush	MASTERAMMIDE Blend of polymers and aramid filler
5	Upper bush	MASTERAMMIDE bBlend of polymers and aramid filler
6	Stem	A564 Tp 630 (17-4 PH)
7	O-ring	NBR (FKM on request)
8	Ends	≤DN25: 1.0737 (11SMnPb37); ≥DN32: 1.0577 (S355J2)
9	ats	MASTERAMMIDE Blend of polymers and aramid filler
10*	Holder screw	X5CrNiMo1713 - 316 S.S.
11*	Lever	EN AB 46100 - AL SI 11 CU (FE) Painted
12*	Screw	A2 - 70
*Kit lever components		

diagrams and breakaway torque

PRESSURE/TEMPERATURE DIAGRAM



DN6, DN8, DN10, DN15	PN500/7000 psi
DN20 e DN25	PN400/6000 psi
DN32, DN40, DN50	PN320/4500 psi

FLOW RATE KV m ³ /h									
PN	DN 6 1/8"	DN8 1/4"	DN 10 3/8"	DN 15 1/2"	DN 20 3/4"	DN 25 1"	DN 32 1"1/4"	DN 40 1"1/2"	DN 50 2"
KV m ³ /h	5,2		11	20	60	100	130	170	280
Kv is the coefficient, expressed in m ³ /h (with water at 15°C) causing a pressure loss of 1 bar									

documents

Manuali

[MANUALE UMAH1000](#)

Istruzioni

[ISTRUZIONI USO 8_1095](#)

Certificati

[EAC Ball Valves](#)

[EAC EX](#)

[PED](#)

[UKR](#)