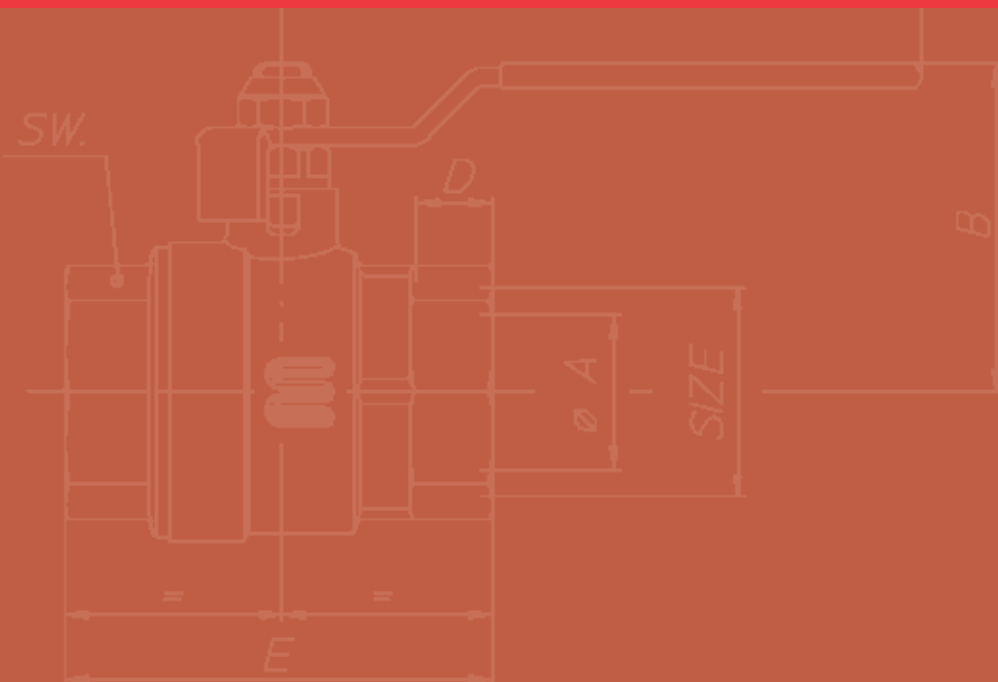
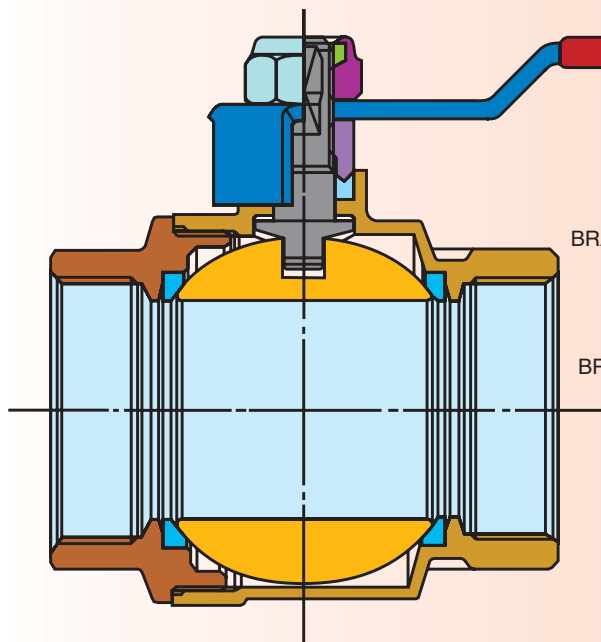


BRASS VALVES

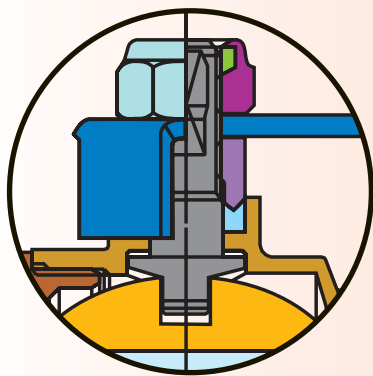


BASIC

FULL BORE BALL VALVE

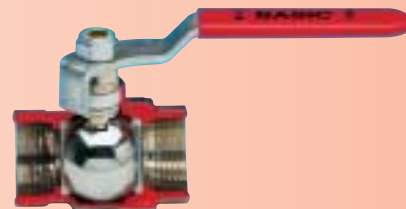


- BODY** 1 BRASS CW 617 N UNI EN 12165 / Nickel-plated forged brass
- END ADAPTER** 2 BRASS CW 617 N UNI EN 12165 / Nickel-plated forged brass
- BALL** 3 BRASS CW 614 N UNI EN 12164 / Machined brass bar, chrome-plated
- BALL GASKETS** 4 P.T.F.E. / Pure Teflon
- STEM** 5 BRASS CW 614 N UNI EN 12164 / Machined brass bar, chrome-plated
- THRUST WASHER** 6 P.T.F.E. / Pure Teflon
- STEM PACKING** 7 P.T.F.E. / Pure Teflon
- GLAND** 8 BRASS CW 614 N UNI EN 12164 / Machined brass bar
- HANDLE** 9 Steel Fe P02 / Zinc-plated, red P.V.C. insulated
- SELF-LOCKING NUT** 10 8G Steel / Zinc-plated steel



DOUBLE SEAL BLOW OUT-PROOF STEM

- The **BASIC** ball valves are bottom loaded stem designed. This "anti-blow-out" stem also prevents from tampering with the internals of the valve when in the line.
- The double seal is performed by an anti-friction teflon thrust washer, working as a high pressure gasket.



FEATURES

- Standard line, full bore, short threads.
- Perfect seal at low and high pressure.
- Wear resistant, solid and long lasting materials.
- Rapid on/off 90° turn operation.
- Easy visual control of open/closed position.

END CONNECTIONS

- NPT, ISO 228/1.

UTILISATION

- The **BASIC** ball valves are suitable for hot and

cold water, compressed air, oils, non-corrosive fluids and hydrocarbons in general.

- For special uses, see the table of chemical resistance.

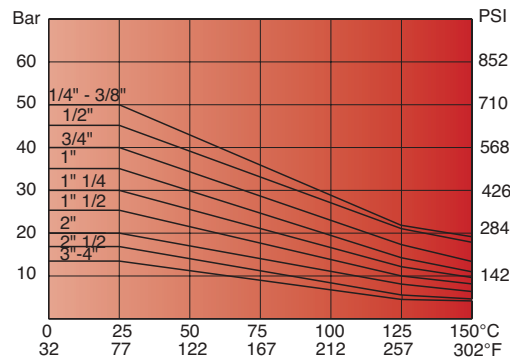
WORKING PRESSURE

- From PN 50 (size 1/4") to PN 10 (size 4").
- See pressure/temperature diagram.

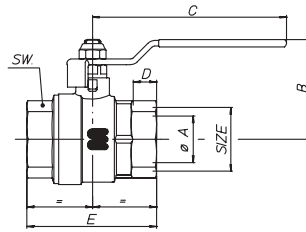
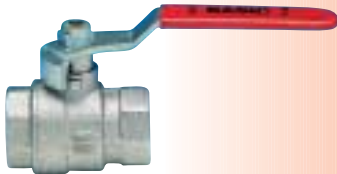
TEMPERATURE LIMITS

- -4F (-20°C) +302F (+150°C).

PRESSURE/TEMPERATURE DIAGRAM



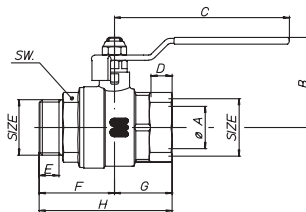
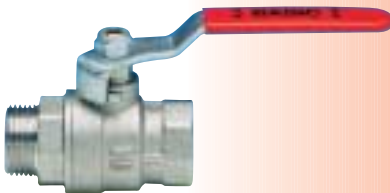
Art. S.0211 BASIC



Full bore ball valve with steel handle, female/female, nickel-plated.

SIZE	¼"	¾"	½"	¾"	1"	1¼"	1½"	2"	2½"	3"	4"
øA bore	0.39	0.39	0.59	0.79	0.98	1.26	1.57	1.97	2.56	3.15	3.94
B in	1.50	1.50	1.56	1.87	2.03	2.44	2.80	3.37	3.88	4.43	5.31
C in	3.54	3.54	3.54	4.13	4.13	4.72	5.51	6.69	6.69	9.84	9.84
D in	0.34	0.36	0.38	0.44	0.50	0.54	0.60	0.62	0.80	0.90	0.98
E in	1.63	1.75	1.93	2.32	2.76	3.19	3.70	4.23	5.28	6.18	7.28
SW in	0.67	0.83	0.98	1.22	1.50	1.85	2.13	2.60	3.27	3.82	4.88
Weight lb.	0.31	0.34	0.40	0.68	1.03	1.75	2.93	5.03	7.06	11.85	20.02

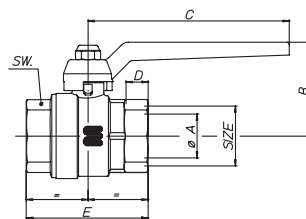
Art. S.0212 BASIC



Full bore ball valve with steel handle, male/female, nickel-plated.

SIZE	½"	¾"	1"	1¼"	1½"	2"					
øA bore	0.59	0.79	0.98	1.26	1.57	1.97					
B in	1.56	1.87	2.03	2.44	2.80	3.37					
C in	3.54	4.13	4.13	4.72	5.51	6.69					
D in	0.38	0.44	0.50	0.53	0.61	0.69					
E in	0.45	0.50	0.52	0.52	0.58	0.66					
F in	1.38	1.61	1.77	1.87	2.15	2.56					
G in	0.96	1.16	1.38	1.59	1.85	2.20					
H in	2.34	2.76	3.13	3.86	4.00	4.76					
SW in	0.98	1.22	1.50	1.85	2.13	2.60					
Weight lb.	0.46	0.77	1.21	1.98	3.17	5.06					

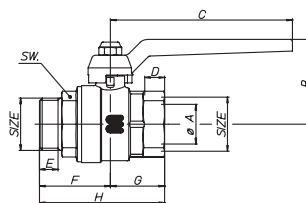
Art. S.0214 BASIC



Full bore ball valve with aluminium lever, female/female, nickel-plated.

SIZE	¼"	¾"	½"	¾"	1"	1¼"	1½"	2"	2½"	3"	4"
øA bore	0.39	0.39	0.59	0.79	0.98	1.26	1.57	1.97	2.56	3.15	3.94
B in	1.52	1.52	1.57	1.95	2.11	2.52	2.93	3.54	4.15	4.70	5.59
C in	3.15	3.15	3.15	4.53	4.53	5.12	5.91	6.69	6.69	9.95	9.25
D in	0.34	0.36	0.38	0.44	0.50	0.54	0.60	0.62	0.80	0.90	0.98
E in	1.63	1.75	1.93	2.32	2.76	3.19	3.70	4.23	5.28	6.18	7.28
SW in	0.67	0.83	0.98	1.22	1.50	1.85	2.13	2.60	3.27	3.82	4.88
Weight lb.	0.27	0.30	0.36	0.63	0.99	1.67	2.87	4.79	6.94	11.78	22.27

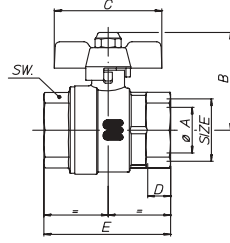
Art. S.0215 BASIC



Full bore ball valve with aluminium lever, male/female, nickel-plated.

SIZE	½"	¾"	1"	1¼"	1½"	2"					
øA bore	0.59	0.79	0.98	1.26	1.57	1.97					
B in	1.57	1.95	2.11	2.52	2.93	3.54					
C in	3.15	4.53	4.53	5.12	5.91	6.69					
D in	0.38	0.44	0.50	0.53	0.61	0.69					
E in	0.45	0.50	0.52	0.52	0.58	0.66					
F in	1.38	1.61	1.77	2.01	2.24	2.60					
G in	0.96	1.16	1.38	1.59	1.85	2.20					
H in	2.34	2.76	3.13	3.60	4.09	4.80					
SW in	0.98	1.22	1.50	1.85	2.13	2.60					
Weight lb.	0.42	0.73	1.17	1.90	3.10	4.98					

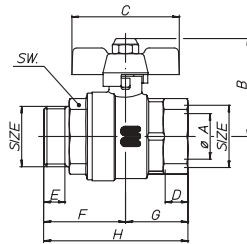
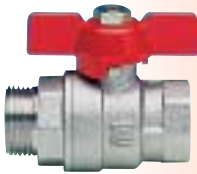
Art. S.0217 BASIC



Full bore ball valve with T-handle, female/female, nickel-plated.

SIZE	¼"	¾"	½"	¾"	1"					
øA bore	0.39	0.39	0.59	0.79	0.98					
B in	1.36	1.36	1.50	1.85	2.01					
C in	2.05	2.05	2.05	2.56	2.56					
D in	0.34	0.36	0.38	0.44	0.50					
E in	1.63	1.75	1.93	2.32	2.76					
SW in	0.67	0.83	0.98	1.22	1.50					
Weight lb.	0.24	0.26	0.36	0.60	0.96					

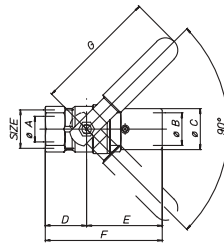
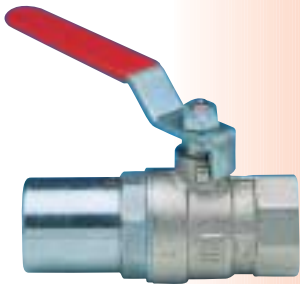
Art. S.0218 BASIC



Full bore ball valve with T-handle, male/female, nickel-plated.

SIZE	½"	¾"	1"							
øA bore	0.59	0.79	0.98							
B in	1.50	1.85	2.01							
C in	2.05	2.56	2.56							
D in	0.38	0.44	0.50							
E in	0.45	0.50	0.52							
F in	1.38	1.61	1.77							
G in	0.96	1.16	1.38							
H in	2.34	2.76	3.13							
SW in	0.98	1.22	1.50							
Weight lb.	0.41	0.70	1.14							

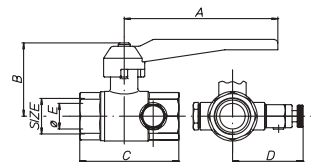
Art. S.0229 BASIC•DEEP FRYERS



Female ball valve for deep fryers, with red steel lever, nickel-plated.

SIZE	¾"									
øA bore	0.69									
øB in	0.88									
øC in	1.16									
D in	1.18									
E in	2.17									
F in	3.35									
G in	3.54									
Weight lb.	0.07									

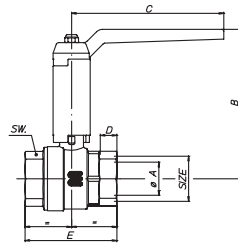
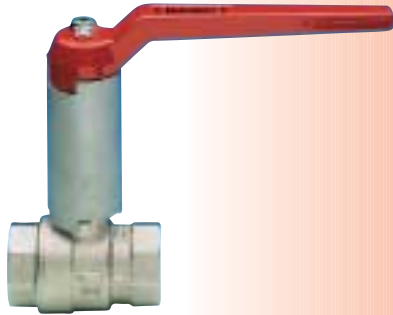
Art. S.0242 - S.0245 BASIC•DRAIN VALVE



Art. S.0242 - Full bore drain valve, with hose connector.
Art. S.0245 - Full bore drain valve, without hose connector.

SIZE	½"	¾"	1"	1¼"	1½"	2"				
A in	2.95	3.74	3.74	4.53	5.91	5.91				
B in	1.69	2.05	2.20	2.80	3.19	3.50				
C in	2.13	2.38	2.91	3.31	3.78	4.33				
D in	2.17	2.28	2.44	2.60	2.80	3.07				
ø E bore	0.59	0.79	0.98	1.26	1.57	1.97				
Weight lb.	0.52	0.76	1.18	1.96	2.76	3.79				

Art. S.0464 BASIC•XT

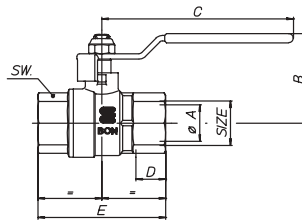
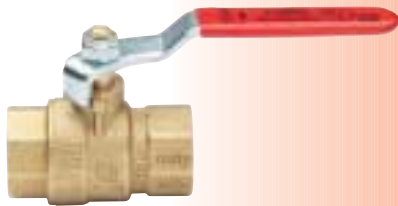


Full bore ball valve with extended stem, female/female, nickel-plated.

SIZE	¼"	¾"	½"	¾"	1"	1¼"	1½"	2"	2½"	3"	4"
øA bore	0.39	0.39	0.59	0.79	0.98	1.26	1.57	1.97	2.56	3.15	3.94
B in	3.80	3.80	3.84	4.21	4.37	4.78	5.16	5.77	6.34	6.89	7.48
C in	3.15	3.15	3.15	4.53	4.53	5.12	5.91	6.69	6.69	9.25	9.25
D in	0.34	0.36	0.38	0.44	0.50	0.54	0.60	0.62	0.80	0.90	0.98
E in	1.63	1.75	1.93	2.32	2.76	3.19	3.70	4.23	5.28	6.18	7.28
SW in	0.67	0.83	0.98	1.22	1.50	1.85	2.13	2.60	3.27	3.82	4.88
Weight lb.	0.43	0.45	0.54	0.85	1.26	2.01	3.24	5.37	7.49	13.49	-

Art. S.1241 TOPIC

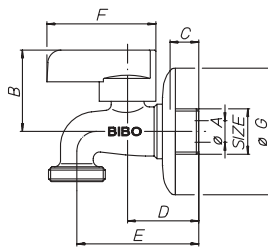
CSA-UL-FM certified



Full bore ball valve for gas with steel lever, female/female, nickel-plated.

SIZE	½"	¾"	1"	1¼"	1½"	2"				
øA bore	0.59	0.79	0.98	1.26	1.57	1.97				
B in	1.61	1.95	2.11	2.60	2.83	3.39				
C in	3.54	4.13	4.13	5.51	5.51	6.69				
D in	0.59	0.64	0.75	0.84	0.84	1.01				
E in	2.34	2.76	3.27	3.88	4.25	5.12				
SW in	0.98	1.22	1.50	1.85	1.85	2.60				
Weight lb.	0.45	0.76	1.18	2.18	3.25	5.41				

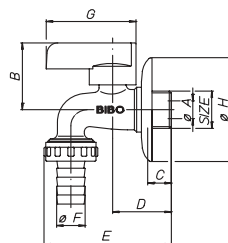
Art. S.0031 BIBO•LUX



Ball bib cock for washing machines, polished chrome-plated, equipped with lockshield.

SIZE	¾"	½"							
øA bore	0.39	0.39							
B mm	1.48	1.48							
C mm	0.57	0.57							
D mm	1.30	1.30							
E mm	2.20	2.20							
F mm	1.97	1.97							
Weight gr.	0.34	0.35							

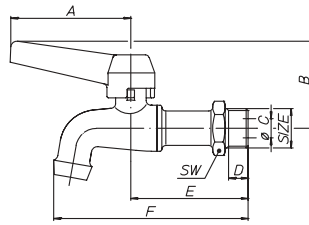
Art. S.0033 BIBO•LUX



Ball bib cock with hose connector, polished chrome-plated, equipped with lockshield.

SIZE	¾"	½"							
øA bore	0.39	0.39							
B mm	1.48	1.48							
C mm	0.57	0.57							
D mm	1.30	1.30							
E mm	2.80	2.80							
øF mm	0.63	0.63							
G mm	1.97	1.97							
øH mm	2.28	2.28							
Weight gr.	0.41	0.42							

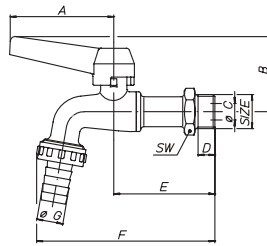
Art. S.0100 EKO•LUX



Ball bib cock with plain outlet, polished chrome-plated.

SIZE	½"								
A in	2.48								
B in	1.79								
øC bore	0.39								
D in	0.45								
E in	2.41								
F in	4.00								
SW in	0.98								
Weight lb.	0.50								

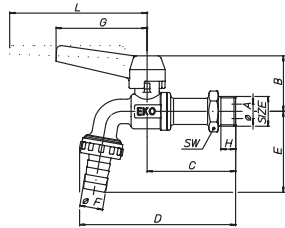
Art. S.0101 EKO•LUX



Ball bib cock with hose connector, polished chrome-plated.

SIZE	½"								
A in	2.48								
B in	1.79								
øC bore	0.39								
D in	0.45								
E in	2.41								
F in	4.25								
SW in	0.98								
Weight lb.	0.60								

Art. S.0110 EKO•LOGIC
GREEN TAP

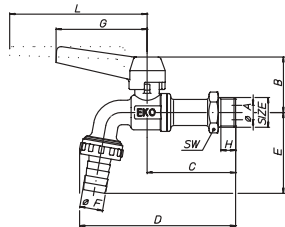


Ball bib cock with hose connector, heavy line, lead washed, hard epoxy painted.

SIZE	½"								
øA bore	0.39								
B in	1.79								
C in	2.41								
D in	0.45								
E in	2.24								
øF in	0.63								
G in	2.48								
H in	0.47								
L in	-								
SW in	0.98								
Weight lb.	0.60								



Art. S.0111 EKO•COLOR



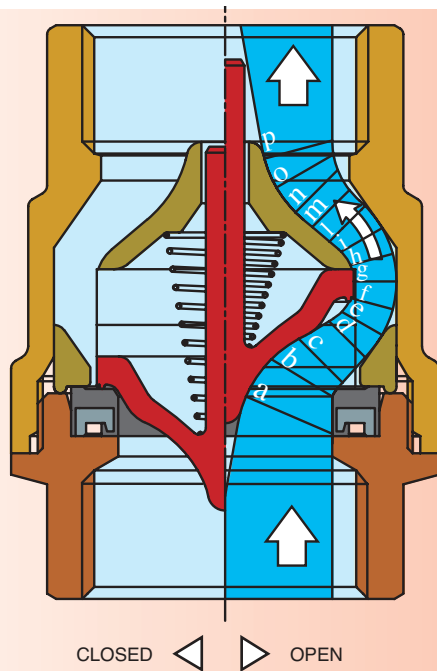
Ball bib cock with hose connector, heavy line, polished epoxy painted.

SIZE	½"								
øA bore	0.39								
B in	1.79								
C in	2.41								
D in	0.45								
E in	2.24								
øF in	0.63								
G in	2.48								
H in	0.47								
L in	-								
SW in	0.98								
Weight lb.	0.60								



VALSTOP - EUROSTOP

NON-RETURN VALVES



- BODY** 1 BRASS CW 617 N UNI EN 12165 / Forged brass bar
- END ADAPTER** 2 BRASS CW 617 N UNI EN 12165 / Forged brass bar
- GASKET** 3 NBR (art. H.151 - H.153, H.161 - H.163) / Black rubber
- JUMPER** 4 Elastomer (art. H.141) / Suitable for the use
- JUMPER GUIDE** 5 Hostaform / Molded plastic
- SPRING** 6 Hostaform / Molded plastic
- FLOW** 7 AISI302 Stainless steel / Normalized steel

The VALSTOP check valve is designed to perform high flow capacity, safe and silent functioning.

FEATURES

- Minimum head loss thanks to the streamlined flow design.
- Solid state, full bore, high flow capacity.
- Perfect seal at low and high pressure, within a wide temperature range.
- Very silent functioning and low water hammering.
- Wear resistant and long lasting materials.
- Compact dimensions, superior performances and constant high quality.

END CONNECTIONS

- NPT, ISO 228/1.

UTILISATION (VALSTOP art. H.151 - H.153)

- For any type of plumbing, heating and pneumatic system.
- Hot and cold water, compressed air, oils.
- With the stainless steel filter it is particularly recommended for immersion pumps and autoclaves as a foot valve.
- For special uses, see the table of chemical resistance.

UTILISATION (VALSTOP art. H.141)

- Fitted with fluoroelastomer gasket (Viton seat) VALSTOP is suitable also for non-halogenized hydrocarbons in general (Petrol, Kerosene etc.).

INSTALLATION

- Can be installed in any position: vertical, horizontal, oblique.

WORKING PRESSURE

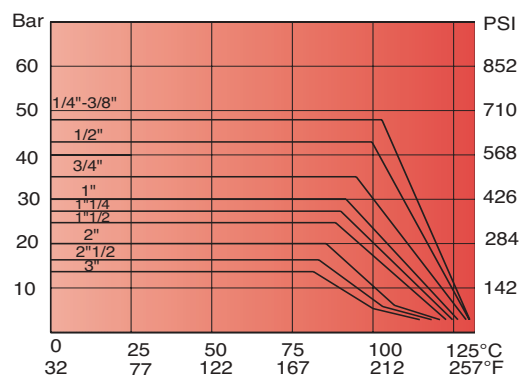
- Min 0,05 bar.
- Max PN 50 (size 1/4") to PN 10 (size 3").
- See pressure/temperature diagram.

TEMPERATURE LIMITS

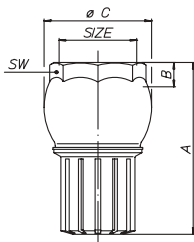
- -4F (-20°C) +212F (+100°C).
(Max +135°C with Elastomer gasket = art. H.141).



PRESSURE/TEMPERATURE DIAGRAM



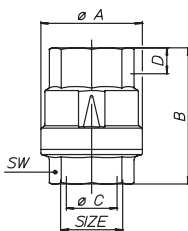
Art. H.0041 FOOTY



Foot valve.

SIZE	½"	¾"	1"	1¼"	1½"	2"	2½"	3"	4"
A in	2.32	2.83	3.15	3.58	4.02	4.72	5.55	5.91	7.28
B in	0.31	0.35	0.43	0.51	0.55	0.63	0.63	0.63	0.63
øC in	1.22	1.77	2.01	2.40	2.68	3.15	4.02	4.61	5.75
SW in	1.02	1.34	1.57	1.97	2.17	2.72	3.35	3.74	4.84
PN bar	8.00	8.00	8.00	8.00	8.00	8.00	6.00	6.00	6.00
Weight lb.	0.26	0.47	0.62	0.95	1.30	1.92	3.00	3.84	7.72

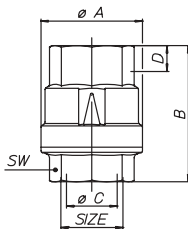
Art. H.0141 VALSTOP



Full bore check valve, **heavy line**, female/female, with **elastomer gasket**.

SIZE	¼"	¾"	½"	¾"	1"				
øA in	1.10	1.10	1.34	1.63	1.97				
B in	1.83	1.83	2.07	2.32	2.64				
øC bore in	0.39	0.39	0.59	0.79	0.98				
D in	0.36	0.34	0.38	0.44	0.57				
SW in	0.83	0.83	1.02	1.26	1.54				
Weight lb.	0.21	0.18	0.32	0.48	0.75				

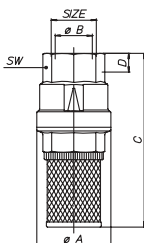
Art. H.0151 VALSTOP



Full bore check valve, **heavy line**, female/female, with **NBR gasket**.

SIZE	¼"	¾"	½"	¾"	1"	1¼"	1½"	2"	
øA in	1.10	1.10	1.34	1.63	1.97	2.38	2.89	3.50	
øB bore	1.83	1.83	2.07	2.32	2.64	2.99	3.54	3.98	
C bore in	0.39	0.39	0.59	0.79	0.98	1.26	1.57	1.97	
D in	0.36	0.34	0.38	0.44	0.57	0.54	0.62	0.70	
SW in	0.83	0.83	1.02	1.26	1.54	1.93	2.20	2.72	
Weight lb.	0.21	0.18	0.32	0.48	0.75	1.21	2.01	3.12	

Art. H.0153 VALSTOP



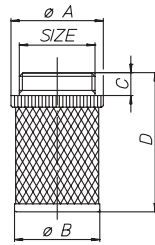
Full bore foot valve with stainless steel filter, **heavy line** (art. H.151 + art. H.157).

SIZE	¾"	½"	¾"	1"	1¼"	1½"	2"		
øA in	1.10	1.34	1.63	1.97	2.38	2.89	3.50		
øB bore	0.39	0.59	0.79	0.98	1.26	1.57	1.97		
C in	3.31	3.62	4.21	4.69	5.24	6.18	7.05		
D in	0.34	0.38	0.44	0.57	0.54	0.62	0.70		
SW in	0.83	1.02	1.26	1.54	1.93	2.20	2.72		
Weight lb.	0.22	0.35	0.52	0.80	1.28	2.08	3.22		

Art. H.0157 VALSTOP



Stainless steel filter.



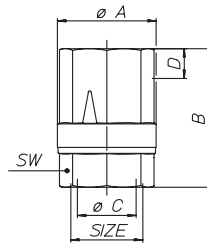
SIZE	½"	¾"	1"	1¼"	1½"	2"	2½"	3"	4"
øA in	0.83	1.02	1.26	1.57	1.93	2.17	2.68	3.90	4.76
øB in	0.75	0.91	1.14	1.46	1.73	1.97	2.40	3.66	4.57
C in	0.28	0.31	0.35	0.39	0.43	0.43	0.51	0.55	0.55
D in	1.83	1.97	2.24	2.44	2.68	3.07	3.54	4.33	5.04
Weight lb.	0.01	0.02	0.03	0.04	0.06	0.08	0.11	0.19	0.26

Art. H.0161 EUROSTOP

AVAILABLE ALSO IN DZR BRASS



Check valve, female/female with NBR gasket.

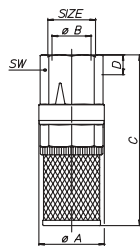


SIZE	½"	¾"	1"	1¼"	1½"	2"	3"	4"
øA in	1.34	1.36	1.63	2.01	2.36	2.87	4.59	5.59
B in	1.97	2.07	2.32	2.56	2.85	3.25	4.45	5.26
øC bore	0.59	0.59	0.79	0.98	1.26	1.57	2.56	3.15
D in	0.38	0.44	0.50	0.54	0.60	0.62	0.68	0.78
SW in	0.98	1.22	1.50	1.85	2.17	2.64	3.86	4.88
Weight lb.	0.24	0.31	0.53	0.81	1.22	1.82	5.54	9.22

Art. H.0163 EUROSTOP



Foot valve with stainless steel filter.

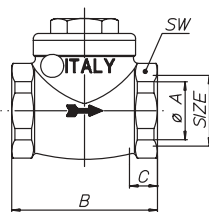


SIZE	½"	¾"	1"	1¼"	1½"	2"	3"	4"
øA in	1.34	1.36	1.63	2.01	2.36	2.87	4.59	5.59
øB bore	0.59	0.59	0.79	0.98	1.26	1.57	2.56	3.15
C in	3.54	3.96	4.37	4.80	5.49	6.32	8.23	9.74
D in	0.38	0.44	0.50	0.54	0.60	0.62	0.68	0.78
SW in	0.98	1.22	1.50	1.85	2.17	2.64	3.86	4.88
Weight lb.	0.27	0.35	0.56	0.89	1.24	1.93	5.80	9.59

Art. H.0200 SWING CHECK•METAL

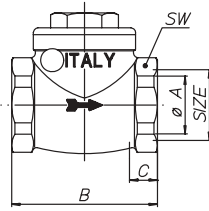


Horizontal swing check valve, metal seat.



SIZE	½"	¾"	1"	1¼"	1½"	2"	2½"	3"	4"
øA bore	0.59	0.79	0.98	1.30	1.46	1.85	2.17	2.76	3.54
B in	1.85	2.09	2.48	2.76	3.46	3.82	4.72	5.31	7.09
C in	0.35	0.39	0.43	0.47	0.47	0.55	0.67	0.67	0.91
SW in	0.98	1.22	1.50	1.85	2.17	2.68	3.23	3.86	5.04
PN bar	12.00	12.00	12.00	10.00	10.00	10.00	8.00	8.00	8.00
Weight lb.	0.31	0.44	0.76	0.94	1.68	2.20	3.64	5.07	11.24

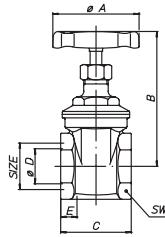
Art. H.0202 SWING CHECK•NBR



Horizontal swing check valve with NBR gasket.

SIZE	½"	¾"	1"	1¼"	1½"	2"	2½"	3"	4"
øA bore	0.59	0.79	0.98	1.30	1.46	1.85	2.17	2.76	3.54
B in	1.85	2.09	2.48	2.76	3.46	3.82	4.72	5.31	7.09
C in	0.35	0.39	0.43	0.47	0.47	0.55	0.67	0.67	0.91
SW in	0.98	1.22	1.50	1.85	2.17	2.68	3.23	3.86	5.04
PN bar	12.00	12.00	12.00	10.00	10.00	10.00	8.00	8.00	8.00
Weight lb.	0.31	0.44	0.76	0.94	1.68	2.20	3.64	5.07	11.24

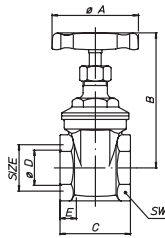
Art. H.0011 WATERGATE



Bronze full bore gate valve, heavy line, PN 16.

SIZE	¼"	¾"	½"	¾"	1"	1¼"	1½"	2"	2½"	3"	4"
øA in	1.77	1.77	1.77	1.97	2.17	2.36	2.76	3.15	3.94	3.94	4.72
B in	2.60	2.60	2.68	3.07	3.62	4.25	4.92	5.71	6.89	7.87	9.45
C in	1.42	1.50	1.50	1.77	1.89	2.01	2.28	2.44	2.99	3.15	3.78
øD bore	0.43	0.51	0.59	0.75	0.94	1.26	1.46	1.85	2.36	2.83	3.66
E in	0.31	0.35	0.35	0.39	0.43	0.43	0.51	0.51	0.63	0.63	0.75
SW in	0.75	0.87	1.02	1.26	1.54	1.89	2.20	2.64	3.31	3.86	
PN bar	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	10.00	10.00	10.00
Weight lb.	0.36	0.36	0.43	0.63	0.82	1.26	1.79	2.68	4.63	5.95	10.58

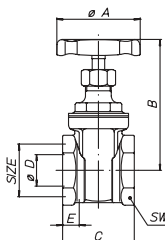
Art. H.0012 WATERGATE



Brass full bore gate valve, heavy line, PN 16.

SIZE	¾"	½"	¾"	1"	1¼"	1½"	2"	2½"	3"	4"
øA in	1.77	1.77	1.97	2.17	2.36	2.76	3.15	3.94	3.94	4.72
B in	2.64	2.68	3.07	3.58	4.25	4.92	5.63	6.89	7.87	9.25
C in	1.30	1.50	1.73	1.89	2.01	2.28	2.48	2.52	2.91	3.31
øD bore	0.51	0.59	0.75	0.94	1.26	1.46	1.85	2.36	2.83	3.66
E in	0.31	0.35	0.39	0.43	0.47	0.51	0.51	0.51	0.55	0.63
SW in	0.87	1.06	1.30	1.57	1.89	2.20	2.64	3.27	3.70	4.84
PN bar	16.00	16.00	16.00	16.00	16.00	16.00	16.00	10.00	10.00	10.00
Weight lb.	0.36	0.41	0.55	0.79	1.21	1.52	2.34	3.73	4.83	9.15

Art. H.0013 WATERGATE

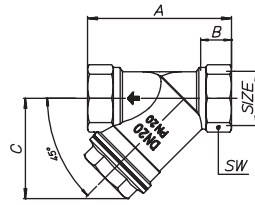
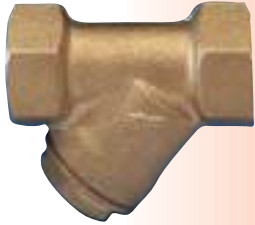


Brass reduced bore gate valve, standard line, PN 10.

SIZE	¾"	½"	¾"	1"	1¼"	1½"	2"	2½"	3"	4"
øA in	1.77	1.77	1.77	1.97	2.17	2.36	2.76	2.76	3.94	3.94
B in	2.64	2.68	2.68	3.15	3.39	4.21	5.28	5.63	6.89	7.95
C in	1.30	1.38	1.54	1.69	1.89	2.13	2.28	2.48	2.87	3.15
øD bore	0.51	0.53	0.61	0.75	1.06	1.30	1.77	1.85	2.36	2.83
E in	0.31	0.35	0.35	0.39	0.39	0.43	0.47	0.51	0.51	0.59
SW in	0.87	1.02	1.26	1.54	1.89	2.20	2.64	-	0.70	-
PN bar	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Weight lb.	0.34	0.35	0.40	0.56	0.82	1.17	1.86	2.71	3.92	6.17

CHECK VALVES / GATE VALVES

Art. H.0400 BRASS•Y•STRAINER



Brass Y-Strainer with stainless steel sieve for water and fluids, female/female.

SIZE	½"	¾"	1"	1½"	2"				
A in	2.28	2.76	3.43	4.17	4.96				
B in	0.47	0.51	0.67	0.83	0.87				
C in	1.57	1.97	2.36	2.95	3.54				
SW in	0.98	1.22	1.50	2.17	2.68				
øbore in	0.02	0.02	0.02	0.02	0.02				
empty/full %	38%	38%	38%	48%	48%				
PN bar	16.00	16.00	16.00	16.00	16.00				
Weight lb.	0.33	0.53	0.87	1.90	2.93				

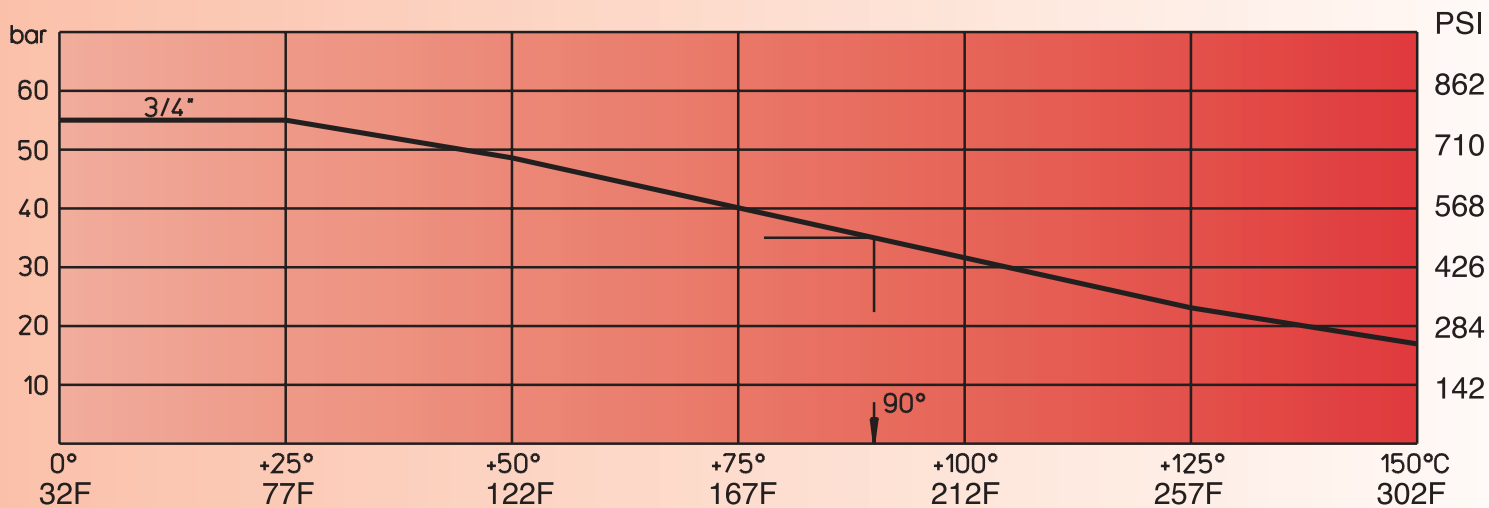
PRESSURE/TEMPERATURE DIAGRAM

READING GUIDE

The curves of pressure/temperature diagram have been drawn for every size of valve, on the ground of laboratory tests effected by using water. The values expressed in the curves represent the maximum working limits of the valves. Those values have

been achieved by slow variation of pressure/temperature parameters. So, the reported parameters are just indicative: the type of the fluid, changes of pressure, temperature and frequency of manoeuvre operations have a certain influence on valves' life.

Going beyond the temperature of 125°C and getting near to the limit values of the curve, the life of the valves is remarkably reduced.



EXAMPLE

The above curve shows that on 3/4" valves at a working pressure of 35 bar you must not exceed the temperature of 90°C.

NOTE

PN = Nominal Pressure.
PN is the maximum working pressure value at the temperature of 20°C.

TABLE OF CHEMICAL RESISTANCE

	BRASS	CR-ALLOY	P.T.F.E.	ACETALIC RESIN (copolymer)	FLUROELASTOMER	BUNA-N (N.B.R.)	A 105 (carbon steel)	AISI 316 (stainless steel)		BRASS	CR-ALLOY	P.T.F.E.	ACETALIC RESIN (copolymer)	FLUROELASTOMER	BUNA-N (N.B.R.)	A 105 (carbon steel)	AISI 316 (stainless steel)	
E = EXCELLENT									E = EXCELLENT									
G = GOOD									G = GOOD									
P = POOR									P = POOR									
N = NOT RECOMMENDED									N = NOT RECOMMENDED									
- = NO INFORMATION									- = NO INFORMATION									
Acetaldehyde	-	-	E	G	E	N	P	E	Carbon Tetrachloride (Wet)	P	G	E	E	E	N	N	P	
Acetic Acid	N	N	E	N	N	G	N	E	Carbonated Water	P	-	E	E	E	E	-	E	
Acetic Anhydride	P	N	E	N	N	G	P	G	Castor Oil	P	-	E	E	E	E	G	E	
Acetone	G	G	E	E	N	G	G	E	Caustics Soda	P	N	E	-	E	E	G	E	
Acetylene	P	G	E	E	G	E	E	E	Chlorine Gas (Dry)	N	G	E	E	E	E	-	P	
Alcohol-amyI	E	N	E	E	G	-	N	E	Chlorobenzene (Dry)	-	-	E	E	E	P	E	E	
Alcohol-butyl	E	G	E	E	E	G	E	E	Chloroform (Dry)	E	-	E	E	E	N	E	E	
Alumina	G	-	E	E	E	N	G	E	Chromic Acid	N	-	E	N	E	E	N	N	
Aluminium Chloride	N	-	E	E	E	N	P	E	Chromic Anhydride	N	-	E	-	-	E	N	N	
Aluminium Fluoride	-	-	N	-	-	E	N	P	Citric Acid	P	N	E	-	-	E	N	G	
Aluminium Sulphate	P	-	E	E	E	N	G	E	Coal Tar	G	G	E	E	E	P	E	E	
Amines	-	P	E	E	N	E	E	E	Coconut Oil	-	-	E	E	E	E	P	G	
Ammonia, Anhydrous	E	-	E	-	N	G	G	E	Copper Chloride	N	-	E	E	E	E	N	G	
Ammonia, Acqueous	N	N	E	-	N	G	G	E	Copper Nitrite	P	-	E	E	-	E	N	E	
Ammonium Bicarbonate	-	-	E	E	P	G	P	G	Copper Sulphate	N	N	E	E	E	E	N	G	
Ammonium Carbonate	-	-	E	E	P	E	G	G	Cottonseed Oil	E	G	E	E	P	E	P	G	
Ammonium Chloride	N	-	E	E	P	E	P	G	Cresote Oil	E	-	E	E	E	N	G	G	
Ammonium Hydroxide	N	N	E	E	P	E	G	E	Cresvlic Acid	G	N	E	N	E	-	G	E	
Ammonium Monophosphate	-	N	E	G	P	E	N	E	Dichloroethan	-	-	E	-	-	P	N	G	
Ammonium Nitrate	N	-	E	E	P	E	G	G	Distilled Water	E	-	E	E	G	E	P	E	
Ammonium Phosphate	-	N	E	-	-	E	N	G	Etyhl Acetate	E	G	E	E	N	-	G	G	
Ammonium Phosphate (Dibasic)	-	N	E	-	P	E	E	E	Ethyl Alcohol	E	-	E	E	N	E	G	G	
Ammonium Phosphate (Tribasic)	-	-	E	-	P	E	G	E	Ethyl Chloride (Dry)	G	-	E	E	E	E	E	E	
Ammonium Sulphate	N	-	E	E	N	E	P	G	Ethilene Oxide	E	-	E	E	N	N	G	G	
Amyl Acetate	G	N	E	G	N	E	P	G	Ferric Chloride	N	N	E	E	E	E	N	N	
Aniline Conc.	P	N	E	E	P	P	G	G	Ferric Sulphate	N	N	E	E	E	E	N	E	
Arsenic Acid	-	-	E	E	E	-	N	G	Ferrous Chloride	N	-	E	E	E	E	N	N	
Asphalt Liquid	E	-	E	E	E	E	G	E	Ferrous Sulphate	N	N	E	E	E	E	P	G	
Barium Carbonate	E	G	E	E	E	N	G	G	Fish Oil	-	-	E	E	E	E	G	E	
Barium Chloride	N	-	E	E	E	E	P	G	Flax Oil	G	-	E	-	-	E	E	G	
Barium Hydroxide	G	N	E	E	E	E	P	G	Fluorosilic Acid	N	-	E	-	N	E	N	N	
Barium Sulphate	E	N	E	E	E	E	G	G	Formaldehyde	P	P	E	E	N	E	N	P	
Barium Sulphide	G	G	E	E	E	-	-	-	Formic Acid	N	N	E	N	-	E	N	P	
Beer	G	N	E	E	-	E	P	E	Freon	E	-	E	-	E	G	E	E	
Benzene	E	G	E	E	E	E	G	G	Fruit Juices	N	P	E	E	E	E	N	E	
Benzoic Acid	G	-	E	-	E	E	G	G	Fuel Oil	E	G	E	E	E	E	G	E	
Borax	E	N	E	E	E	-	G	E	Furfural	E	G	E	E	N	N	G	G	
Boric Acid	G	N	E	E	E	E	N	G	Gallic Acid	-	G	E	-	G	E	N	G	
Brines	G	G	E	-	-	E	P	G	Gas, Natural	E	-	E	E	E	E	G	E	
Bormine (Dry)	E	N	E	-	G	E	N	N	Gasoline	E	-	E	E	E	P	E	E	
Bromine (Wet)	N	-	E	-	G	N	N	N	Gelatine	G	G	E	E	E	E	N	E	
Bromine Acid	N	-	E	-	E	N	-	N	Glucose	E	G	E	E	E	E	G	G	
Butadiene	-	-	E	E	E	E	G	E	Glycerine	E	G	E	P	E	E	E	E	
Butane	E	-	E	E	E	E	G	E	Glucol Ethylene	G	-	E	-	E	G	E	E	
Butylene	-	G	E	-	E	E	E	E	Ground Water	G	-	E	E	P	E	P	E	
Butyrric Acid	P	-	E	E	G	E	P	G	Hydrobromic Acid	N	-	E	-	-	E	N	N	
Calcium Bisulphate	G	-	E	-	E	E	N	G	Hydrocarbons	E	-	E	-	E	E	E	E	
Calcium Carbonate	E	-	E	E	E	E	G	G	Hydrochloric Acid	N	N	E	N	E	E	P	G	
Calcium Chloride	N	-	E	E	E	E	P	N	Hydrocyanic Acid	N	N	E	-	E	E	P	G	
Calcium Hydroxide	G	G	E	E	E	E	G	G	Hydrofluoric Acid	N	P	E	-	E	G	N	N	
Calcium Hypochlorite	N	N	E	E	E	E	N	N	Hydrogen Peroxide	P	N	E	-	G	E	-	E	
Calcium Sulphate	E	N	E	E	E	E	P	G	Hydrogen (Dry) Sulphide	E	P	E	-	N	-	-	-	
Carbolic Acid	G	G	E	N	E	E	P	G	Hydrogen (Wet) Sulphide	P	N	E	-	N	-	-	-	
Carbon Sulphate	E	N	E	-	-	E	G	G	Hydrofluosilic Acid	G	-	E	-	E	E	N	P	
Carbon Sulphide	G	-	E	E	E	N	G	G	Hypochlorate Sodium	P	-	E	-	-	P	N	P	

HOSTAFORM: For any information concerning the chemical resistance, please contact ENOLGAS technical department.

TECHNICAL DATA

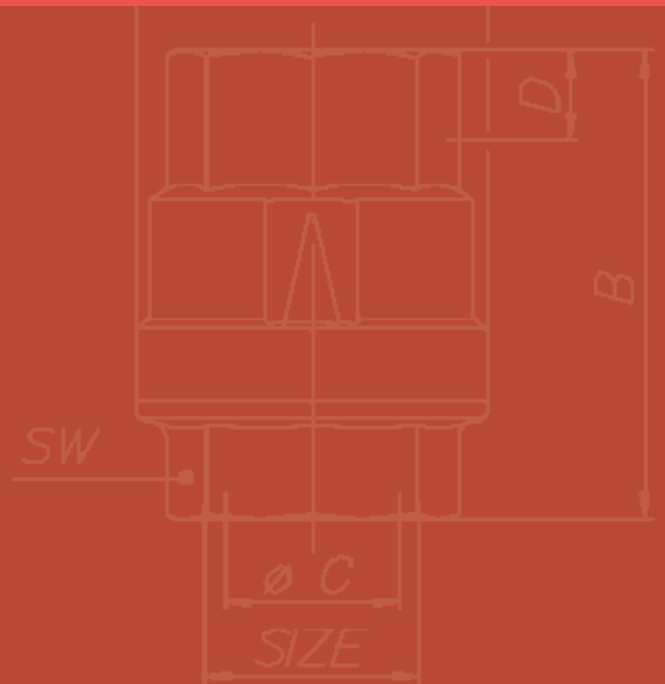
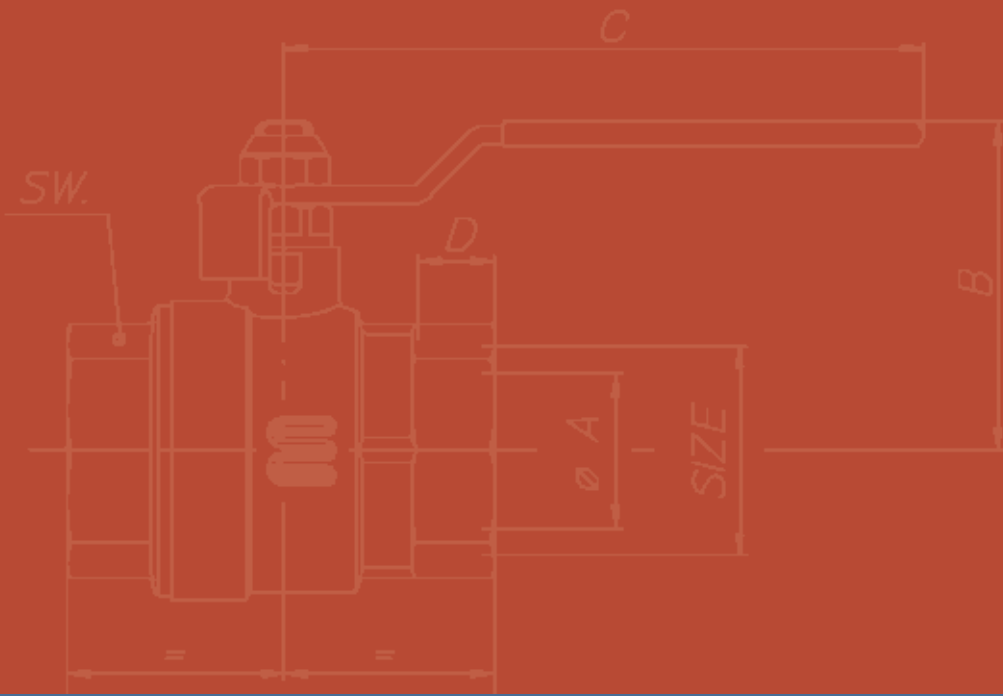
NOTE: The tables report the resistance of the materials to chemical corrosion. The data reported are obtained from tables given by the materials manu-

facturers and are indicative, not binding. To make sure concerning the practical suitability of materials, one has to consider various factors, such

as working conditions, pressure, temperature, time, fluid concentration and eventual dynamic shock.

	BRASS	CR-ALLOY	P.T.F.E.	ACETALIC RESIN (copolymer)	FLUROELASTOMER	BUNA-N (N.B.R.)	A 105 (carbon steel)	AISI 316 (stainless steel)		BRASS	CR-ALLOY	P.T.F.E.	ACETALIC RESIN (copolymer)	FLUROELASTOMER	BUNA-N (N.B.R.)	A 105 (carbon steel)	AISI 316 (stainless steel)
E = EXCELLENT									E = EXCELLENT								
G = GOOD									G = GOOD								
P = POOR									P = POOR								
N = NOT RECOMMENDED									N = NOT RECOMMENDED								
- = NO INFORMATION									- = NO INFORMATION								
Hypochlorite Sodium	N	-	E	-	-	E	N	P	Potassium Diphosphate	-	-	E	E	-	E	E	E
Hyposulphite Sodium	P	-	E	-	-	E	N	G	Potassium Disulphite	-	-	E	E	E	E	N	G
Iodoform	-	-	E	E	E	-	N	E	Potassium Hydroxide	P	N	E	-	-	E	E	E
Iso-octane	-	-	E	E	E	E	E	E	Potassium Iodide	-	-	E	E	-	E	P	G
Isopropilic Alcohol	-	-	E	E	E	E	G	G	Potassium Sulphate	G	G	E	E	E	E	G	G
Latic Acid	P	-	E	N	E	E	N	E	Propane	E	G	E	E	E	E	G	G
Lead Acetate	-	-	E	E	N	E	N	G	Pyrogallic Acid	-	N	E	E	E	-	G	G
Magnesium Chloride	N	G	E	E	E	E	N	G	Salicylic Acid	-	N	E	E	E	E	N	G
Magnesium Hydroxide	G	G	E	E	E	E	G	E	Sea Water	P	-	E	E	P	E	N	G
Magnesium Oxide	-	-	E	E	E	E	G	G	Silver Nitrate	N	-	E	E	E	E	N	G
Magnesium Sulphate	P	G	E	E	E	E	G	G	Soap Solution	G	G	E	-	-	E	G	G
Maleic Acid	-	N	E	E	E	E	G	G	Sodium Acetate	-	-	E	E	P	G	P	G
Malic Acid	-	-	E	E	E	E	N	G	Sodium Bicarbonate	P	G	E	E	E	E	P	G
Mercury Salts	N	-	E	-	-	E	-	N	Sodium Bisulfate	N	G	E	-	-	E	N	G
Mercury	N	N	E	E	E	E	G	P	Sodium Bisulfite	G	-	E	E	E	E	N	E
Methane	E	G	E	E	E	E	G	G	Sodium Borate	-	-	E	E	E	E	P	G
Methyl Acetate	-	-	E	-	N	N	G	E	Sodium Carbonate	P	P	E	E	E	E	G	G
Methyl Alcohol	E	-	E	E	N	E	G	G	Sodium Chloride	P	G	E	E	E	E	P	G
Methyl Chloride	G	-	E	-	-	P	N	G	Sodium Cyanide	N	N	E	E	P	E	G	G
Methyl Formate	-	-	E	-	N	P	P	G	Sodium Fluoride	-	-	N	E	E	-	N	G
Milk	G	P	E	E	E	E	N	E	Sodium Hydrate	G	-	E	-	-	E	E	E
Mineral Oil	E	-	E	E	E	E	G	E	Sodium Hydroxide	P	N	E	-	E	E	E	E
Mineral Water	G	-	E	E	P	E	P	G	Sodium Metalsilicate	-	-	E	-	-	E	P	E
Molasses	G	N	E	-	E	E	-	E	Sodium Nitrate	P	-	E	E	P	E	G	G
Naphta	G	G	E	E	E	E	G	G	Sodium Perborate	-	N	E	E	E	E	G	G
Naphtalene	-	-	E	E	E	-	E	G	Sodium Phosphate	P	-	E	-	E	E	P	G
Nickel Chloride	P	-	E	E	E	E	N	G	Sodium Phosphate(Dibasic)	G	-	E	-	-	E	N	G
Nickel Nitrate	-	-	E	E	-	E	N	G	Sodium Silicate	G	-	E	E	E	E	G	G
Nickel Sulphate	P	G	E	E	E	E	N	G	Sodium Sulphate	G	G	E	E	E	E	G	G
Nitric Acid 0 To 50%	N	-	E	N	E	G	N	E	Sodium Sulphide	G	N	E	E	E	E	G	G
Nitric Acid 50 To 90%	N	-	E	N	E	N	N	G	Sodium Sulphite	G	-	E	E	E	E	G	G
Nitric Acid (Conc.)	N	-	E	N	E	N	N	G	Sodium Thiosulphate	P	N	E	E	E	E	G	E
Nitrobenzene	-	G	E	-	G	N	G	G	Soybean Oil	-	G	E	E	E	E	P	E
Nitrogen	E	G	E	E	E	E	E	E	Steam	P	-	E	N	P	-	E	E
Oleic Acid	P	N	E	E	G	G	P	G	Stearic Acid	P	G	E	E	P	E	P	E
Oleum	-	-	E	N	E	N	G	G	Styrene	-	-	E	-	G	G	E	E
Oxalic Acid	P	P	E	P	E	E	P	G	Sulphur Anhydride(Dry)	E	-	E	N	E	E	G	G
Oxygen	E	G	E	E	G	E	G	E	Sulphur Anhydride(Wet)	N	-	E	E	E	-	P	
Paints	E	-	E	E	E	E	P	E	Sulphur	E	-	E	-	N	E	G	E
Paint Solvents	E	-	E	-	G	P	-	E	Sulphur Dioxide(Dry)	N	G	E	E	N	N	G	G
Palmitic Acid	P	N	E	E	E	G	P	G	Sulphuric Acid 0 To 10%	P	-	E	E	E	G	N	P
Paraffin	E	-	E	E	E	E	E	E	Sulphuric Acid 10 To 90%	N	N	E	P	E	N	N	P
Paraformaldehyde	-	-	E	E	-	G	G	G	Sulphuric Acid (Conc.)	N	-	E	N	E	P	G	G
Pentane	-	G	E	E	E	E	G	E	Sulphurous Acid	P	N	E	P	E	N	N	G
Phenol	-	P	E	N	E	G	P	G	Tannic Acid	G	P	E	E	E	E	N	E
Phosphoric Acid	N	-	E	N	E	G	N	N	Tartaric Acid	P	N	E	E	E	E	N	E
Phthalic Acid	-	N	E	E	E	P	P	G	Toluene Or Toluol	E	G	E	E	E	P	E	E
Picric Acid	N	-	E	-	E	N	P	G	Trichloroacetic Acid	P	-	E	-	-	-	N	N
Pine Oil	-	-	E	E	E	E	G	E	Trichloroethylene(Dry)	E	-	E	-	G	P	G	G
Potassium Bromide	-	-	E	E	E	E	G	G	Trichloroethylene(Wet)	P	-	E	-	G	P	-	-
Potassium Carbonate	P	G	E	E	E	E	G	G	Turpentine	G	G	E	E	E	N	E	E
Potassium Chlorate	-	-	E	E	-	E	G	G	Vinegar	N	P	E	-	E	E	N	E
Potassium Chloride	P	G	E	E	E	E	N	G	Xylene	-	-	E	-	-	N	G	E
Potassium Cyanide	N	N	E	E	E	E	G	G	Zinc Chloride	N	N	E	E	E	E	N	G
Potassium Dichromate	N	N	E	E	E	-	P	G	Zinc Sulphate	N	G	E	E	E	E	N	G

HOSTAFORM: For any information concerning the chemical resistance, please contact ENOLGAS technical department.



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