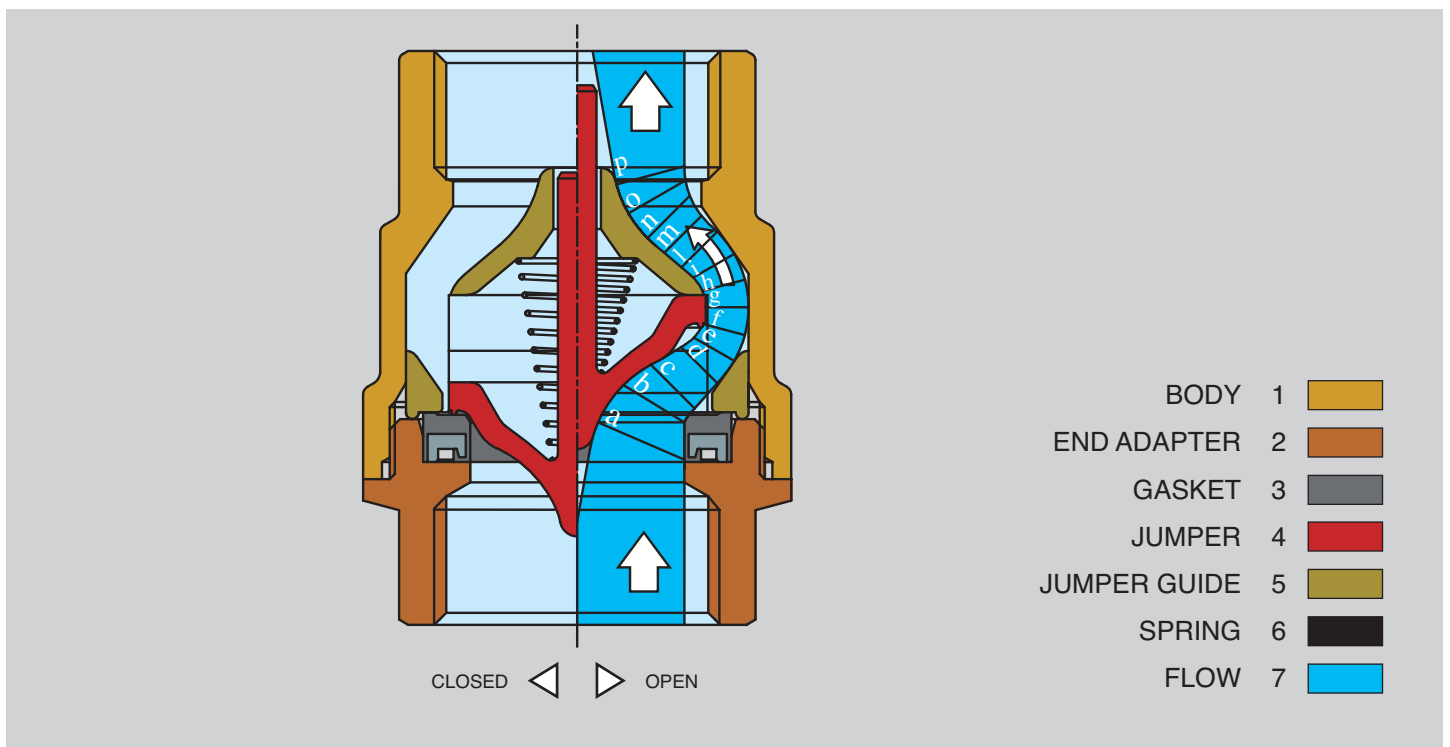




CHECK VALVE HEAVY LIN

VALSTOP



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



VALSTOP-EUROSTOP CHECK VALVES

■ All the technical data regarding **VALSTOP** check valves (heavy line) are suitable also for **EUROSTOP** check valve (standard line), except for the pressure/temperature diagram: see on this page for **VALSTOP**.

FEATURES

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

END CONNECTIONS

- Screwed to ISO 228/1 standard.

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

- For any type of plumbing, heating and pneumatic system.
- With 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 on pages 160 and 161.

UTILISATION (for VALSTOP art. H.141)

- Fitted with fluoroelastomer gasket (Viton seat = art. H.141) 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

- -20°C +100°C
(Max +135°C with Viton gasket = art. H.141).

CRACKING PRESSURE

- Min 0,025 bar (25 cm of water column).

SEALING PRESSURE

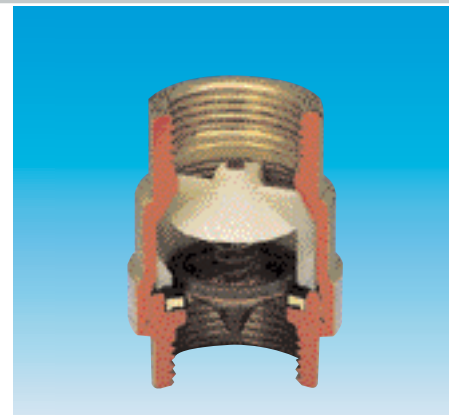
- Min 0,05 bar (50 cm of water column).

FUNCTIONING

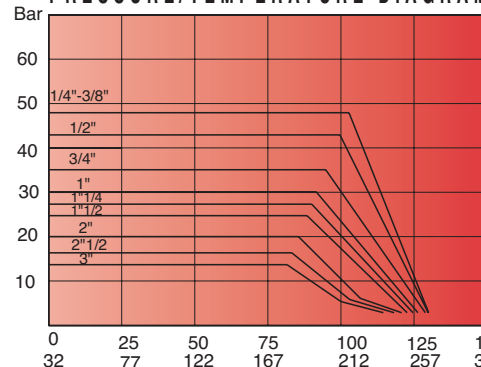
- During the normal flow of fluids (in the direction of the arrow, see cross-section of drawing opposite) the jumper moves until the mushroom shaped base of its head comes into contact with the identically shaped base of the jumper-guide, thus forming a biconical unit, whose external surfaces form together with the internal surfaces of the valve, a venturimetric-shaped channel having a constant cross section area along all its length (see cross section on the opposite page: all the flow capacity sections from **a** to **p** are the same). So, the flow at the entrance of the valve is evenly diverted by the point of the jumper, to penetrate in the conduit delimited by the continuity and shape of both the external and central surfaces. This eliminates turbulence of the fluid both at the entrance and in exit from the valve, thus reducing loss of head to a minimum.
- Absolutely high flow capacity is consequently granted.

PERFORMANCE

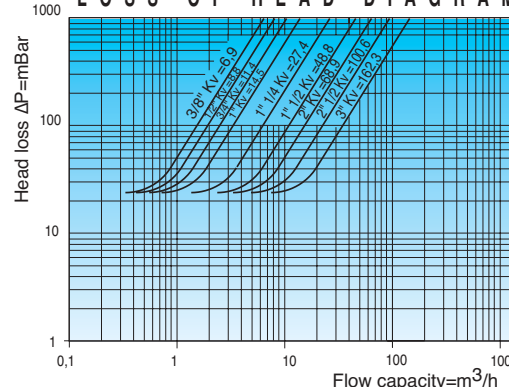
- Exceptionally high Kv performances: see diagram on this page for **VALSTOP** and on page 56 for **EUROSTOP**.
- As a definition the nominal "Kv" capacity coefficient is the volumetric capacity of water in cubic metres per hour at the temperature of 15,5°C, which causes a loss of head of 1 bar (10,33 m of water gauge).



PRESSURE/TEMPERATURE DIAGRAM



LOSS OF HEAD DIAGRAM



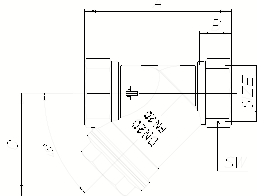
MATERIAL SPECIFICATION

ITEM	MATERIAL	DESCRIPTION
1 Body	CW 617 N UNI EN 12165	Forged brass bar
2 End adapter	CW 617 N UNI EN 12165	Forged brass bar
3 Gasket	NBR (art. H.151 - H.153, H.161 - H.163)	Black rubber
Gasket	Elastomer (art. H.141)	Suitable for the use
4 Jumper	Hostaform	Molded plastic
5 Jumper guide	Hostaform	Molded plastic
6 Spring	AISI302 Stainless steel	Normalized steel



Art. H.400 Y•STRAINER

Brass Y-Strainer with stainless steel Ø 1 mm sieve for water and fluids.



SIZE	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
A mm	55	58	70	87	96	106	126
B mm	10	12	13	17	20	21	22
C mm	40	40	50	60	68	75	90
SW mm	21	25	31	38	48	55	68

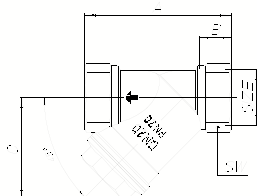
PN bar	16	16	16	16	16	16	16
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Weight gr.	130	150	240	395	700	860	1330
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Art. G.180 Y•STRAINER

Y-Strainer with stainless steel sieves (ext. 0,4mm - int. 0,3mm) for gas.



SIZE	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
A mm	55	58	70	87	96	106	126
B mm	10	12	13	17	20	21	22
C mm	40	40	50	60	68	75	90
SW mm	21	25	31	38	48	55	68

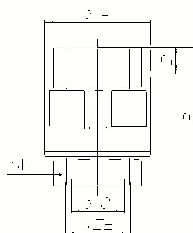
PN bar	16	16	16	16	16	16	16
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Weight gr.	130	150	240	395	700	860	1330
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Art. H.141 VALSTOP

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



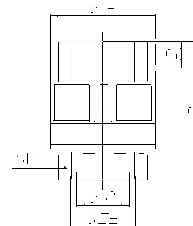
SIZE	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
øA mm	28	28	34	41,5	50	60,5	73,5	89	114	137	142
B mm	46,5	46,5	50	59	67	76	90	101	127	150	133,5
øC mm	10	10	15	20	25	32	40	50	65	80	80
D mm	10	8,7	9,7	11,2	12,7	13,7	15,7	17,7	19,7	21,7	23
SW mm	21	21	26	32	39	49	56	69	86	100	124

Weight gr.	97	83	147	218	340	551	913	1414	2519	4447	4234
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Art. H.151 VALSTOP

Check valve, female/female with NBR gasket.



SIZE	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
øA mm	28	28	34	41,5	50	60,5	73,5	89	114	137
øB bore	46,5	46,5	50	59	67	76	90	101	127	150
C mm	10	10	15	20	25	32	40	50	65	80
D mm	10	8,7	9,7	11,2	12,7	13,7	15,7	17,7	19,7	21,7
SW mm	21	21	26	32	39	49	56	69	86	100

Weight gr.	97	83	147	218	340	551	913	1414	2519	4447
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