Nozzle check valves PN 25 and 40

Art. 117-118

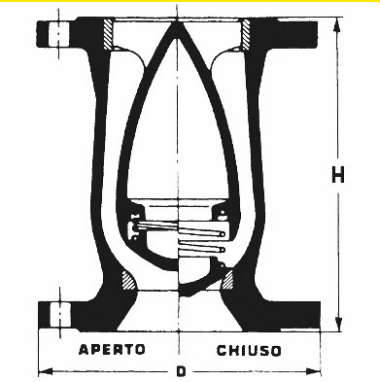
Flanges: UNI EN 1092-2 PN 25 - 40
Design DIN 3356 Installation: horizontal / vertical / oblique
APPLICATIONS ° Water supply ° Heating – conditioning systems ° Pumping stations ° Industry
- Fig. 117: flanges drilled PN 25
- Fig. 118: flanges drilled PN 40
Epoxy paiting suitable for drinking water applications.

The “nozzle” check valves should be used in order to grant a good performance of the anti-hammer effect. These valves are nozzle type, they ensure a rapid, shock free closing before any change in the flow direction, and a noiseless operation, as well as low water losses thanks to their design. For this reason, “nozzle” non return valves are suitable for both vertical, horizontal and oblique installation in those critical and severe pumps and compressor applications.

Materials

body	ductile iron GGG40, EN-GJS-400-15 or cast steel
disc	cast steel GS-C 25, GP-240-GH, or st.st.304
spring	stainless steel 304
stem	stainless steel 304
painting	epoxy

Dimensions



DN	H mm.	D mm. PN 25 / 40	Weight kg.
40	120	150	6.5
50	120	165	7.5
65	150	185	11.5
80	180	200	17
100	240	235	27
125	300	270	39
150	350	300	53.5
200	400	360 / 375	77.5
250	450	425 / 450	135
300	500	485 / 515	204
350	600	555 / 580	390
400	700	620 / 660	500

Pressure

DN	Nominal pressure	Test pressure Mpa		Max working pressure Mpa
mm	BAR	body	seat	90°C
40-400	25	3,8	2,75	2,5
40-400	40	6	4,4	4,0

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