Soft seated gate valves in ductile iron, PN 10 and 16



Art. 93

Flanges: UNI EN 1092-2 PN 10 - 16
Design: DIN 3352, EN 1074 1-2; Face to face length: EN 558-1, serie 14. DIN 3202 F4

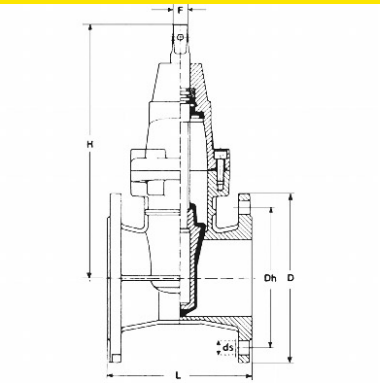
Test according to EN 12266-1
Installation: horizontal/ vertical
APPLICATIONS • Water supply • Drinking water • Fire fighting systems • Wastewater treatment
Epoxy paiting suitable for drinking water applications.

Soft seated gate valves, in ductile iron GGG40 or GGG50 with flat body and EPDM covered wedge, are suitable for drinking water applications, being coated with epoxy powder painting, not toxic. This kind of gate valves are inside screw, with non rising stem in AISI 420, wedge EPDM vulcanized and sliding rails on the body. The soft seated gate valves are full bore, have no pressure drops, with the EPDM covered wedge that is not affected by corrosion and that doesn't need any maintenance. In case of need, o-rings on the stem can be replaced with the valve in the pipeline and in complete open position. Soft seated gate valves in ductile iron can be installed above or under the ground level, or in chambers. Standard execution is by handwheel, we accept on demand T key, reducing gear or electric actuator with suitable outlet flange ISO 5210 F10/F14.

Materials

body-bonnet	ductile iron GGG40/50, EN-GJS-400/500-15
wedge	ductile iron GGG40/50, EN-GJS-400/500-15 EPDM covered
handwheel	cast iron GG25, EN-GJL-250
stem	stainless steel X20 CR13
stem seat	o-ring
bonnet gasket	EPDM
painting	epoxy 250 mcr

Dimensions



DN	L mm.	H mm.	D mm.	Weight kg.
40	140	220	150	8
50	150	230	165	10
65	170	240	185	13
80	180	280	200	16
100	190	330	220	19
125	200	390	250	27
150	210	460	285	35
200	230	550	340	56
250	250	660	405	81
300	270	760	460	115
350	290	820	520	221
400	310	950	580	257
450	330	970	640	303
500	350	1120	715	363
600	390	1300	840	600

Pressure

DN	Nominal pressure	Test pressure Mpa		Max working pressure Mpa
mm	BAR	body	seat	80°C
40-600	16	2,4	1,76	1,6

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