Soft seated gate valves for HDPE pipe PN 16



Art. 98

Design: DIN 3352, EN 1074 1-2; Face to face length: EN 558-1, serie 15. DIN 3202 F5

Pressure test: EN 12266-1
Installation: horizontal
APPLICATIONS • Water supply • Drinking water • Irrigation

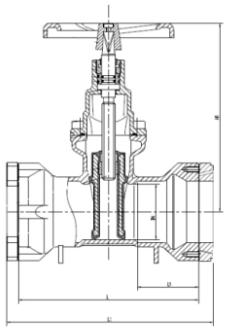
Epoxy painting suitable for drinking water applications.

Soft seated gate valves in ductile iron GGG50 with EPDM lined wedge and socket ends are suitable to be installed directly on HDPE pipes for water supply systems. These valves 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, wegde EPDM vulcanized and sliding rails on the body, for a low friction movement. The gate valves for HDPE pipe are equipped with a brass compression ring that allows installation on the pipeline, locking the pipe and avoiding any movement. 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, orings 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, on demand request of cap top, extension spindle, protective tube, T key and surface box for typical requirements in water supply and distribution systems.

Materials

body-bonnet	ductile iron GGG50, EN-GJS-500-15
wedge	ductile iron GGG50, EN-GJS-500-15 EPDM covered
handwheel	ductile iron GGG50, EN-GJS-500-15
stem	stainless steel 420
stem seat	o-ring EPDM
bonnet gasket	EPDM
compression ring	brass
painting	epoxy 250 mcr

Dimensions



DN	DN pipe	L	L1	H1	L2	Weight Kg
50	63	250	80	220	285	10
65	75	270	82	235	305	13
80	90	280	84	290	315	16
100	110	300	100	325	335	19
125	125	325	110	428	367	27
150	160	350	112	448	392	35
200	225	400	140	540	450	56
250	280	450	160	636	510	81

Pressure

DN	Nominal pressure	Test pressure MPa		Max working pressure MPa
mm	BAR	body	seat	80°C
50-300	16	2,4	1,76	1,6

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