# **Product Data**



# HydroControl A Shutoff valve with flanges PN 16 DN 65...150



The HydroControl A is a shutoff valve for pipelines in heating and cooling systems.

It consists of a flow optimised Y-pattern body with flanges according to EN 1092-2, a valve insert with double O-ring sealing and an ergonomically designed handwheel as well as two connections for accessories, which are sealed with blind plugs as standard. All functions are accessible from the top.

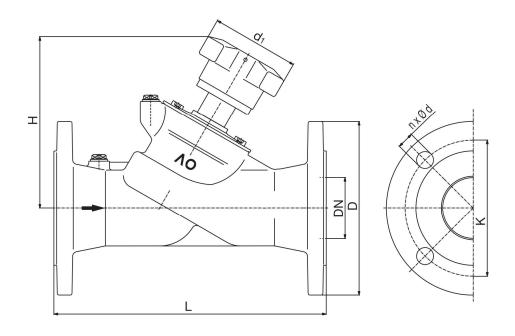
#### **Technical Data**

Nominal sizes	zes DN 65150			
Variants	With flanges according to EN 1092-2 PN 16			
Operating temperature -10+150 °C				
Operating pressure PN 16				
Medium	Heating and cooling water according to VDI 2035 or ÖNORM 5195 Water-glycol mixtures with max. 50% glycol content			
Kvs values	98404			

### Materials

Component	Nominal sizes	<u>Material</u>		
Handwheel assembly	All	Polyamide plastic PA6		
Body	All	Cast iron EN-GJL-250 according to EN 1561 (GG-25)		
Bonnet	DN6580	Cast iron EN-GJL-250 according to EN 1561 (GG-25)		
	DN100150	Bronze / cast iron EN-GJL-250 according to EN 1561 (GG-25)		
Bonnet seal	All	2 x EPDM O-ring		
Spindle	All	Dezincification resistant brass CW602		
Spindle seal	All	Cast iron EN-GJL-250 according to EN 1561 (GG-25)  Cast iron EN-GJL-250 according to EN 1561 (GG-25)  Bronze / cast iron EN-GJL-250 according to EN 1561 (GG-25)  2 x EPDM O-ring		
Plug	DN6580	Dezincification resistant brass CW602		
	DN100150	Bronze		
Seat seal	All	PTFE		
Measuring valves	All	Dezincification resistant brass CW602		

### Dimensions and Item numbers



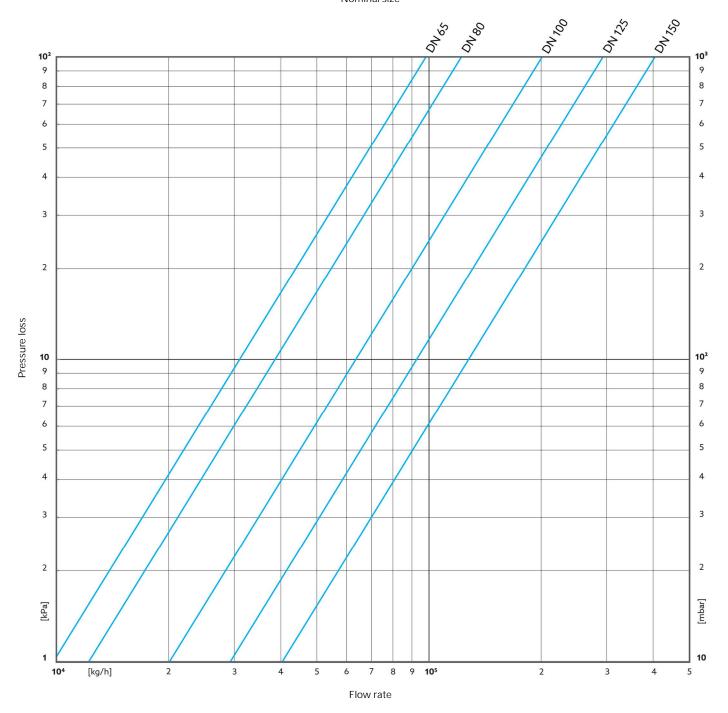
DN	Kvs	L [mm]	H [mm]	d <b>1</b> [mm]	D [mm]	K [mm]	n x ØD	Weight [kg]	Item number
65	98	290	188	110	185	145	4 x 19	13	1062051
80	122	310	203	110	200	160	8 x 19	18	1062052
100	201	350	240	160	220	180	8 x 19	28	1062053
125	293	400	283	160	250	210	8 x 19	43	1062054
150	404	480	285	160	285	240	8 x 23	56	1062055

# Accessories

Insulation shells		Suitable for	Item no.
	Made of polyurethane rigid foam with polystyrene shell. For	DN 65	1062586
	heating and cooling systems. Building material class B2 according to DIN 4102. Meets the requirements of Appendix	DN 80	1062587
	8 to Sections 69 and 71 (1),line ee) of the German Building Energy Act (GEG).	DN 100	1062588
	Cold insulation: Min medium temperature. 6 °C, insulation	DN 125	1062589
	shells have to be bonded hermetically. Restricted diffusion tightness at low medium temperature and at high ambient temperature and/or air humidity.	DN 150	1062590
Spindle extension		Suitable for	Item no.
	Length 35 mm. For valve insulation with commercially available insulation material for HydroControl VTR, VFC, VFN, VFR, VGC, MTR, MFC and AFC. Not to be used in combination with Oventrop insulation shells.	All nominal sizes	1688297
Fill and drain valve		Suitable for	Item no.
	Fill and drain ball valve PN 25, connection size G ¼ external thread, operating temperature up to 150 °C. Positioning upstream and/or downstream of the valve seat in exchange for the blind plugs fitted as standard.	All nominal sizes	1060191

### Flow Chart

#### Nominal size



#### Kvs values

Nominal size	DN <b>65</b>	DN <b>80</b>	DN <b>100</b>	DN <b>125</b>	DN <b>150</b>
Kvs value	98	122	201	293	404

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