Product Data



HydroCom A Shutoff Valve PN 16, DN 15...32



The HydroCom A is a shutoff valve for the isolation of pipelines in heating and cooling systems.

The HydroCom A consists of a flow optimised y-pattern housing, a valve insert with o-ring sealing and ergonomically designed handwheel with shutoff in less than one turn as well as a HydroPort auxiliary valve. All functions are accessible from the top and include:

- Shutoff
- Impulse tube connection
- Draining, filling and venting

Features

- + Quick shutoff in less than one turn of the handwheel
- + Compact, flow optimised valve body
- New HydroPort auxiliary valve for easy, quick and safe connection of accessories

Specifications

Sizes	DN 15 to DN 32			
Versions	internal threads to EN 10226			
Operating temperature	-20120 °C			
Operating pressure	max. 16 bar / PN 16			
Medium	Heating and chilled water, for example according to VDI 2035			
	Water glycol mixtures with max. 50% glycol content			
Kvs-values	DN 15: 2.0 DN 20 3.7 DN 25: 5.9 DN 32 13.0			

Product Details

Functions

Shutoff

Pipeline shutoff is achieved by turning the handwheel clockwise until it stops. From open to fully closed the handwheel travel is a bit less than one full turn.



HydroPort



Every HydroCom A is fitted with a HydroPort auxiliary valve as standard. The HydroPort allows snap on connection of accessories. The HydroPort is opened by turning anti clockwise with an open ended 8mm spanner. For pressure pickup (impulse tube connection) one quarter of a turn is sufficient. For draining, filling and venting full flow capacity is reached after one full turn. The HydroPort has a Kvs-value of 0.3.

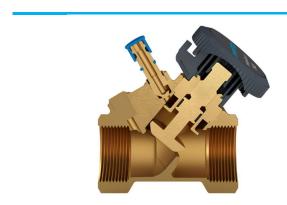
DRAINING, FILLING AND VENTING

Draining, filling and venting is done with the HydroPort adapter (Item No. 1069601). Technically, draining and venting can also be done without using the HydroPort adapter. However, it is strongly advised to abstain from such an operation due to risk of scalding, also of persons in the vicinity.

IMPULSE TUBE CONNECTION

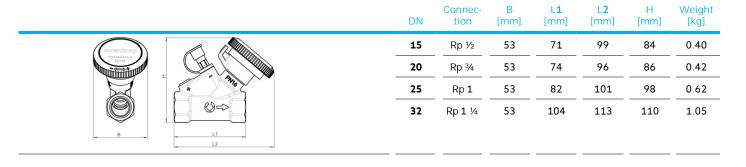
The HydroPort also provides a quick, safe and locked connection for the impulse tube of the HydroControl D differential pressure controller. Impulse tubes of other differential pressure controllers can be connected by using the drain adapter and suitable fittings.

Design and Materials



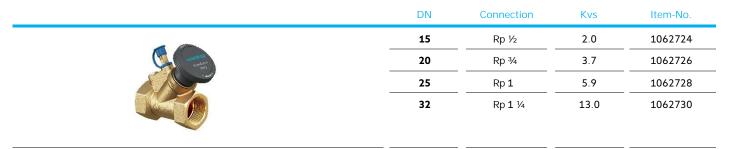
Item	Material		
Handwheel assembly	Polyamide plastic PA6		
Housing	Dezincification resistant brass CW602		
Insert	Dezincification resistant brass CW602		
Stem and plug	Dezincification resistant brass CW602		
Spindle seal	EPDM o-ring		
HydroPort valve	Dezincification resistant brass CW602		
HydroPort seal	EPDM o-ring		
Protection cap	TPE		

Dimensions



Selection

Item Numbers



Accessories

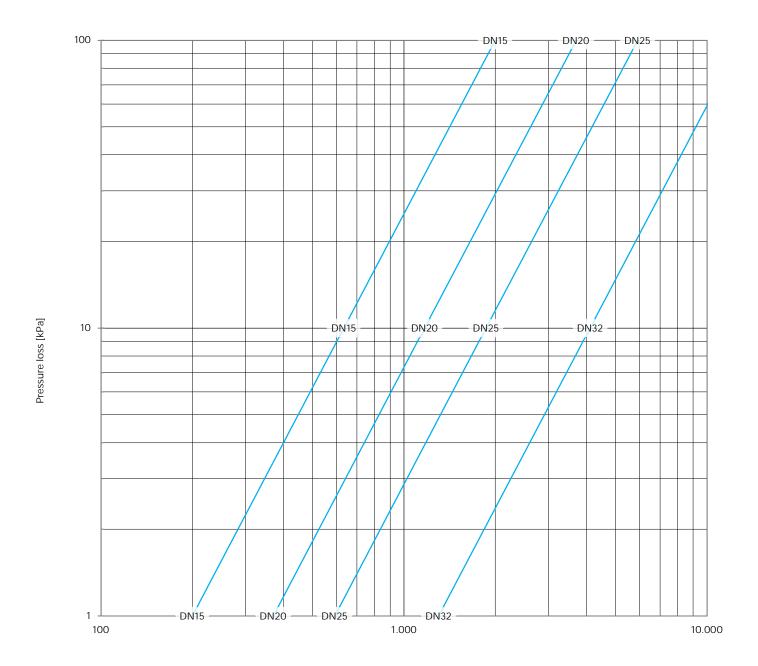
Insulation shells



HydroPort adapter

 Suitable for	Item-No.
All sizes	1069601

Pressure loss chart



Mass flow [kg/h]

	DN 15	DN 20	DN 25	DN 32
Kvs-value	2.0	3.7	5.9	13.0

