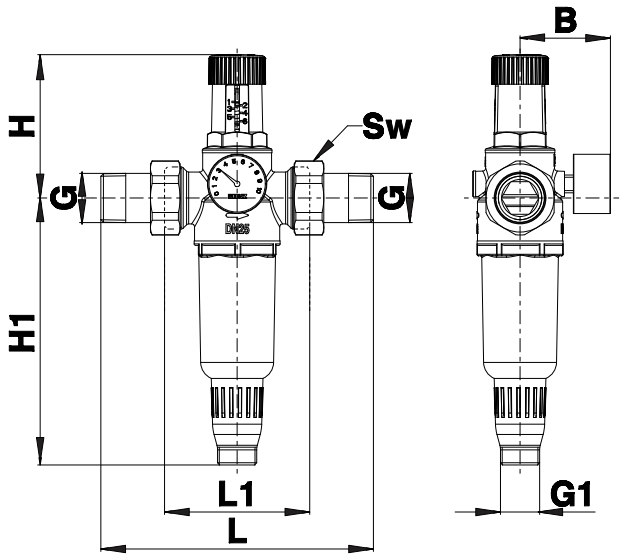
HERZ - Filter for potable water

with pressure reducer

Data sheet **2 3011 0X**, Issue 1119

Dimensions



Model	DN	PN [bar]	G [in]	G1 [in]	L [mm]	L1 [mm]	B [mm]	H [mm]	H1 [mm]	Sw [mm]
2 **3011** 01	15	16	1/2"	3/4"	147	84	67	98	180	30
2 **3011** 02	20	16	3/4"	3/4"	155	84	67	98	180	37
2 **3011** 03	25	16	1"	3/4"	185	98	67	98	180	46

Construction

Body:	forged brass acc. to EN 12165; CW626N
Sealing in drain valve:	EPDM
Diaphragm:	EPDM
Filter mesh:	stainless steel
Bottom cover:	PA12, transparent (GRILAMID TR90)
Drain valve:	PA6 + 30GF
Mesh holder:	POM (HOSTAFORM C9021)
Spring:	spring steel
Spring guide:	stainless steel
Round handle:	PA 6.6, green

Specifications

Mesh perforation:	80 - 100 µm
Medium:	potable water
Maximum inlet pressure:	16 bar
Outlet pressure range:	1.5-6 bar
Factory setting:	3 bar
Manometer scale:	0-10 bar
Maximum temperature:	40°C
Standard:	EN 1567
Pressure gauge connectors:	1/4" F (ISO 228-1)
Connectors:	external thread acc. to ISO 7-1 and ISO228

Nominal flow rates

Size	DN 15	DN 20	DN 25
Flow rate at Δp=0,2 bar (m³/h)	1,13	1,80	2,76
Flow rate at Δp=0,5 bar (m³/h)	2,19	3,80	5,65
Flow rate at Δp=1 bar (m³/h)	3	4,94	7,22

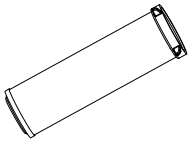
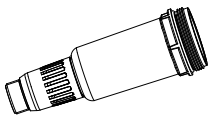
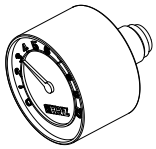
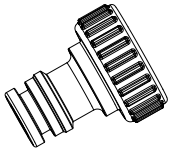
Assembly

Before assembling rinse the system well. In potable water installations the pressure reducing valve with filter is mounted behind the water meter. Install the pressure reducer with filter in a horizontal position with the filter facing down. Take care of the flow direction, indicated on the housing. Proper operation requires a straight piece of at least 5x DN pipe before and after the pressure reducer. The attached manometer can be mounted on both sides of the pressure reducer. Before and after the pressure reducer, it is necessary to install a closing valve. Pressure regulator with filter must be installed without any mechanical tensions in the pipeline, leaving enough space to check manometer and maintenance.

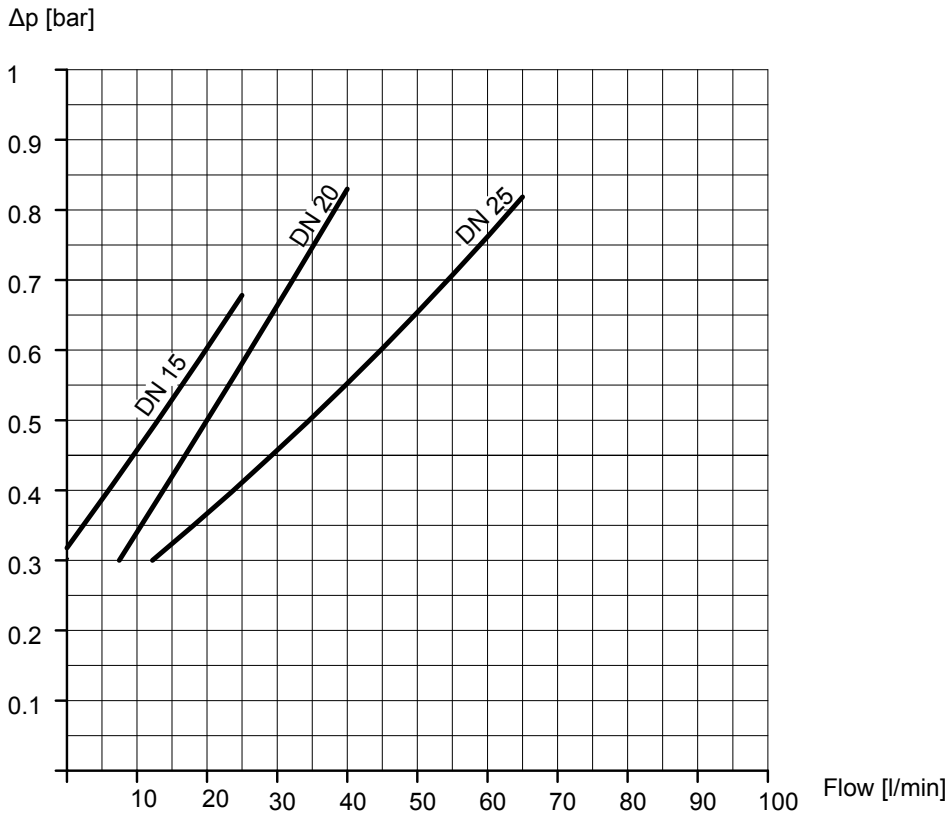
Application and maintenance

The pressure reducing valve with filter protects drinking water installations against over pressure (reduces input pressure to a working level). The outlet pressure is adjustable and does not vary with changes of the inlet pressure. The outlet pressure can be adjusted by turning the green handle. Turning the handle clockwise increases the outlet pressure. Turning above the stated values on the pressure reducer scale may damage the valve. We recommend the max. outlet pressure of 4 bar for private house installations (product long life, costs,...). After each new setting of the outlet pressure, the regulated pipe has to be opened and closed. We recommend maintenance by authorized installers according to DIN 1988. Filter prevents the entry of impurities such as rust particles, grains of sand and other impurities. The filter should be backwashed every 6 months or as needed. To backwash the filter open and close the green drain valve of 2-3 times. The drain valve also has an external thread G3/4" on which we can screw the pipe fitting and clean the filter through the hose. Tool for maintenance is included in every box of pressure reducer with filter.

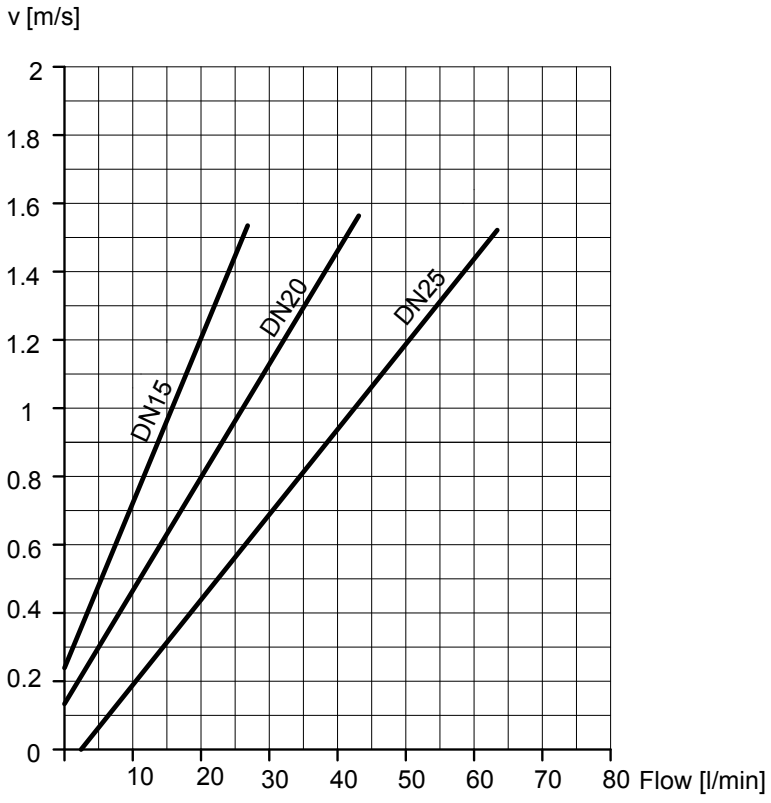
Spare parts:

Illustration	Description	Item number
	Tool for maintenance	1 **2682** 27
	Filter	2 **6301** 00
	Cover with drain valve	2 **6301** 01
	Manometer	1 **2682** 34
	Hose connection	1 **6206** 02

Pressure drop diagram



Velocity of water



Disposal instruction

The disposal of HERZ-filter for potable water stem extention must not endanger the health or the enviroment. National legal regulations for proper disposal of the HERZ-filter for potable water stem extention have to be followed.

Material

Pursuant to Article 33 of the REACH Regulation (EC No. 1907/2006), we are obliged to point out that the material lead is listed on the SVHC list and that all brass components manufactured in our products exceed 0.1 % (w / w) lead (CAS: 7439-92-1 / EINECS: 231-100-4). Since lead is a component part of an alloy, actual exposure is not possible and therefore no additional information on safe use is necessary.

Example of system with HERZ products