FLANGED CAST IRON PRESSURE REDUCING VALVE TYPE 382

FEATURES

The 382 flanged pressure reducing valve is designed to reduce pressure in water or compressed air supply circuits. Its robust design means it can be used in a wide range of industrial and HVAC applications. Downstream pressure stability is very good, even with large variations in upstream pressure. It should only be used on clean, uncharged fluids. It is approved for use on cold and hot drinking water. Downstream pressure gauges are included. The adjustable cover is fitted with a scale to indicate the setting.

AVAILABLE MODELS

382 flanged : DN50 to DN125.
Flanged connections PN16.
ABS pressure gauges ø 50 included.

LIMITS OF USE

Max allowed fluid pressure : PS	16 bar		
Upstream pressure :	0,5 - 3 bar	1,5 - 7 bar	3 - 12 bar
Max allowed fluid temperature : TS	+ 5°C / +65°C		

CONSTRUCTION

Item	Material
Body	Sphéroïdal graphite cast iron EN-GJS-400-18
Coating	Polyamide
Valve insert	Stainless steel 1.4404/1.4408 / Rubber EPDM
Gasket	Rubber EPDM
Plug	Plastic PA Glass fiber reinforced

REGULATIONS AND STANDARDS OF CONSTRUCTIONS

OBJET	Norme	OBJET	Norme
Pressure equipment directive 2014/68	**DN50 to DN125** : not subject	Use on drinking water	ACS DVGW WRAS
Pressure reducing valve	EN 1567		
Flanged connections	EN 1092-2		

Information given as an indication only, and subject to possible modifications

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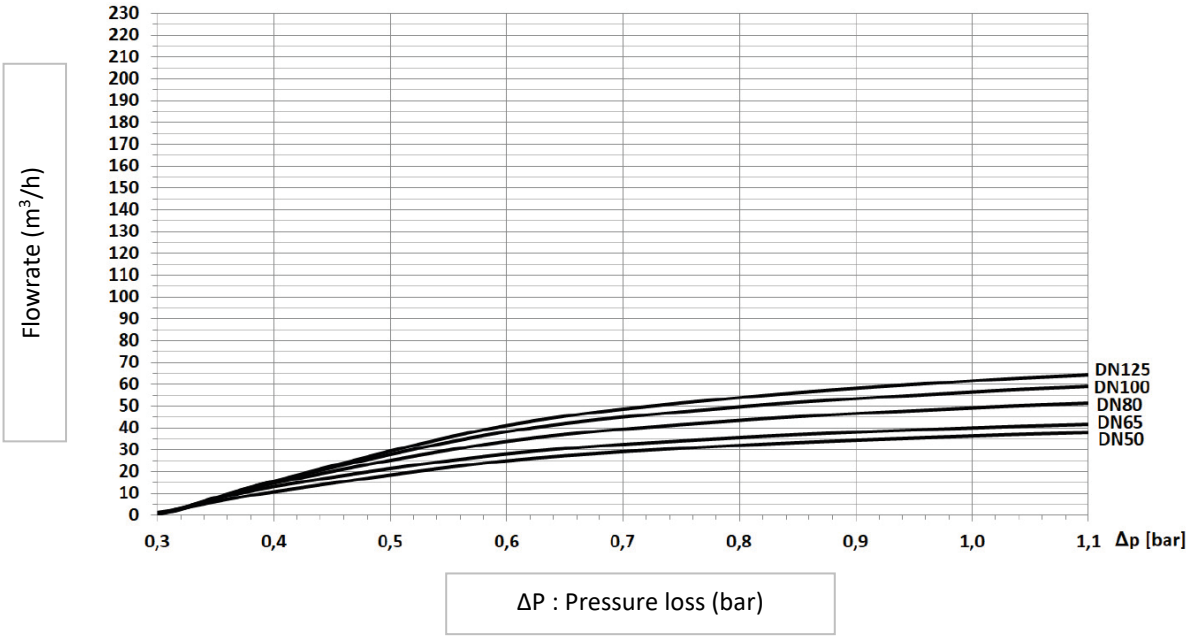
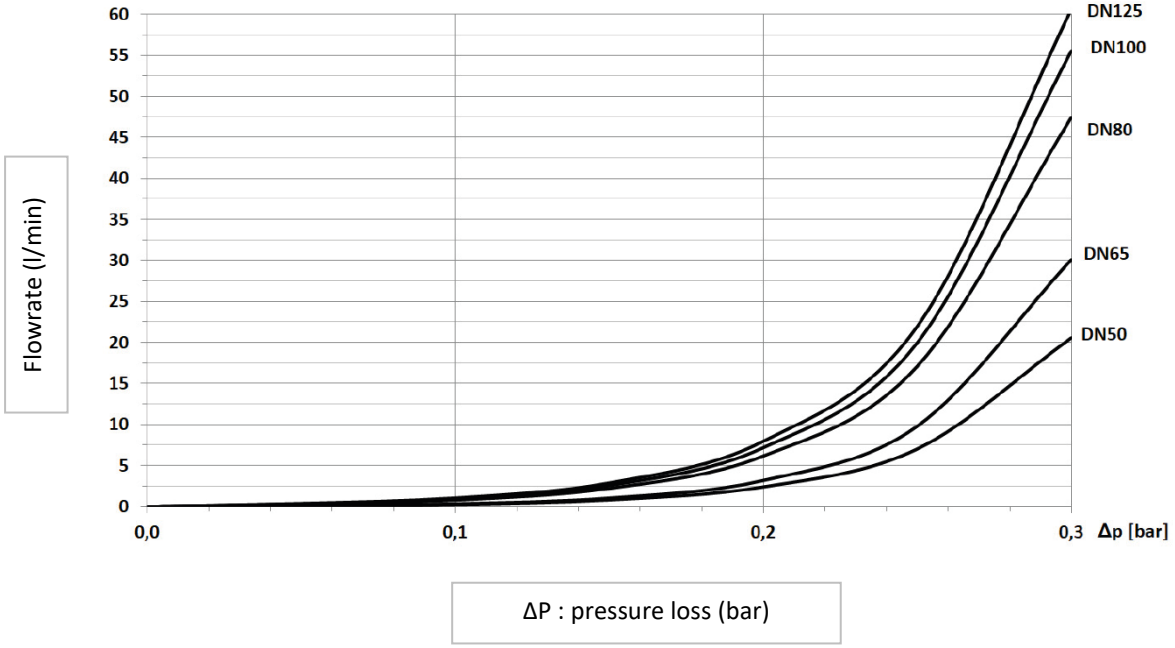
Kv VALUES AND FLOWRATE DIAGRAM

DN 382	DN50	DN65	DN80	DN100	DN125
Kv (m^3/h)	24	26	42	57	63

Flowrate diagram (m^3/h) / Pressure loss ΔP for water



Flowrate diagram (l/min) / pressure drop ΔP for water



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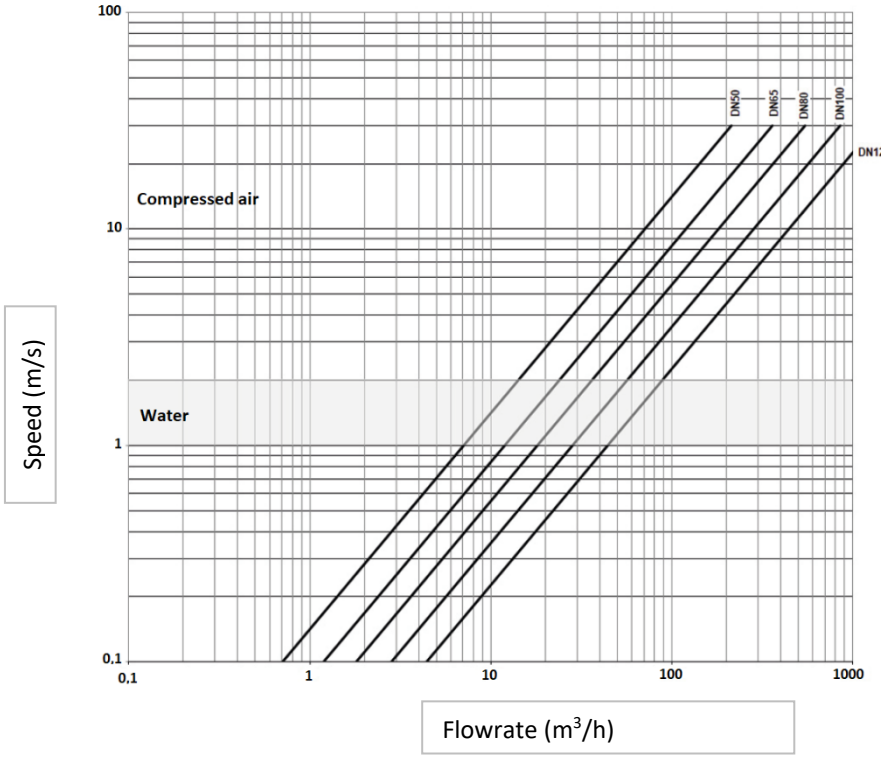
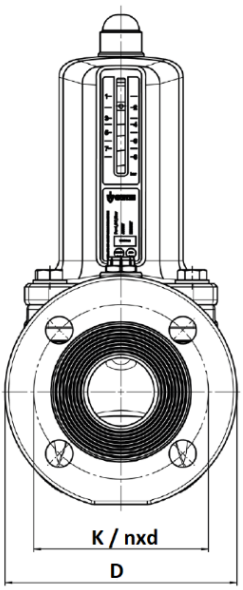
Other sizing's of diagram : method of the speed

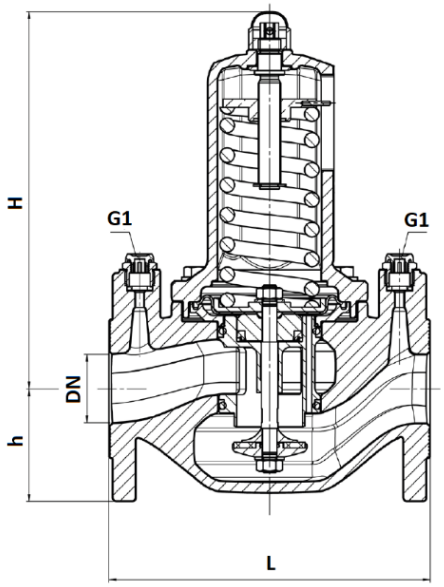


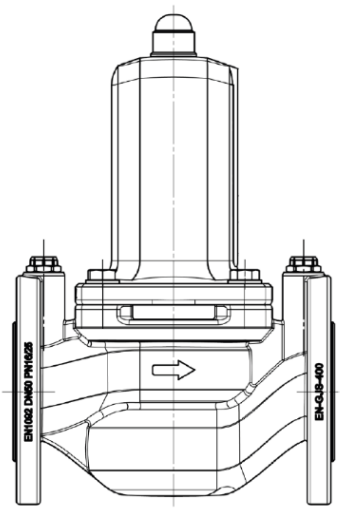
For the water or similar liquids, do not exceed the speed of 2 m/s.

For compressed air, choose a speed between 10 and 20 m/s.

DIMENSIONS (mm) AND WEIGHT (kg)







DN	G1	L	H	h	D	K (nxd)	Weight (Kg)
50	1/4"	230	270	83	165	125 / 4x19	18
65	1/4"	290	260	93	185	145 / 4x19	19
80	1/4"	310	285	100	200	160 / 8x19	24
100	1/4"	350	275	110	220	180 / 8x19	27
125	1/4"	400	275	120	250	210 / 8x19	32

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SPARE PARTS

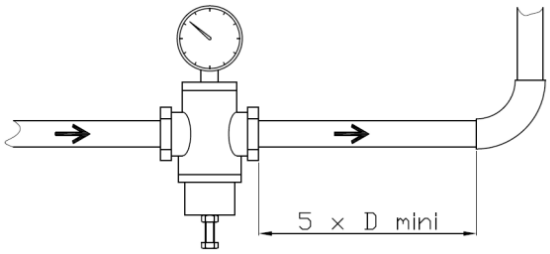
Flanged pressure reducing valve 382	
Internal kit	
Gaskets kit	
Pressure gauges	
Pressure gauge plug with gaskets	
EPDM flange gaskets	
https://www.sectoriel.com/fr/382-reducteur-de-pression-en-fonte-a-brides.html	

INSTALLATION

Position of mounting : The pressure reducer 382 can be installed in any position.

Sense of flow : Take care of the sense of mounting indicated by the arrow on the body.

Straight piping lenght : To assure a good stability of the downstream pressure and reduce the turbulences at the exit of the 382, plan before any of accident piping or device, a straight piping length at least equal to 5 x DN and 10 x DN if possible. In the case of a double pressure reduction, plan an identical length between both valves.



Upstream isolation : Plan a stop valve upstream to the 382. This one is not necessarily tight in zero flowrate and cannot be considered as an isolating valve.

Upstream filtration : To protect the mechanism about 5/10 ° intern impurities, plan a filter of protection upstream to the PRV with a threshold of filtration.

Setting of the downstream pressure : Remove the protective cap from the adjustment screw at the top of the cover. Turn the screw using the spanner to reach the desired pressure. Check the position of the index on the adjustment scale. Also check this value using the downstream pressure gauge.