STAINLESS STEEL PRESSURE REDUCING TYPE 9040

FEATURES

The 9040 pressure reducing valve is designed to reduce pressure in water supply circuits. Its robust design means it can be used in a wide range of industrial applications. Downstream pressure stability is very good, even with large variations in upstream pressure. The 9040 reducer is fitted with an internal protection filter. It should only be used with clean, uncharged fluids. It is approved for use on cold and hot drinking water. It has a graduated pressure setting knob and an optional pressure gauge to indicate downstream pressure.

AVAILABLE MODELS

9040 (male/male): G 1/2" to G 2''.
BSP Thread end connections G/M + unions fittings G M/F.
Downstream pressure port : G 1/4".
ABS pressure gauge ø 63 not included.
Filtration threshold : 160µm.

LIMITS OF USE

Max allowed fluid pressure : PS	16 bar		25 bar
Upstream pressure :	0,5 - 3 bar	1,5 - 7 bar	3 - 12 bar
Max allowed fluid temperature : TS	+5°C / +40°C		+5°C / +85°C

CONSTRUCTION

Item	Material
Body	Acier inoxydable 1.4408
Valve insert	Plastic PPSU / Stainless steel 1.4408 / Elastomere EPDM
Filter cap	Plastic or Stainless steel
Filter screen	Plastic POM / Stainless steel 1.4401
Spring housing	Plastic PA Glass fiber reinforced
O-rings	Elastomere EPDM
Plug	Plastic PA Glass fiber reinforced

REGULATIONS AND STANDARDS OF CONSTRUCTIONS

Item	Standard	Item	Standard
Pressure equipment directive 2014/68	**G 1/2" à 2''** : A4 § 3	Use on drinking water	ACS DVGW WRAS
Pressure reducing valve	EN 1567 and DIN 4109		

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

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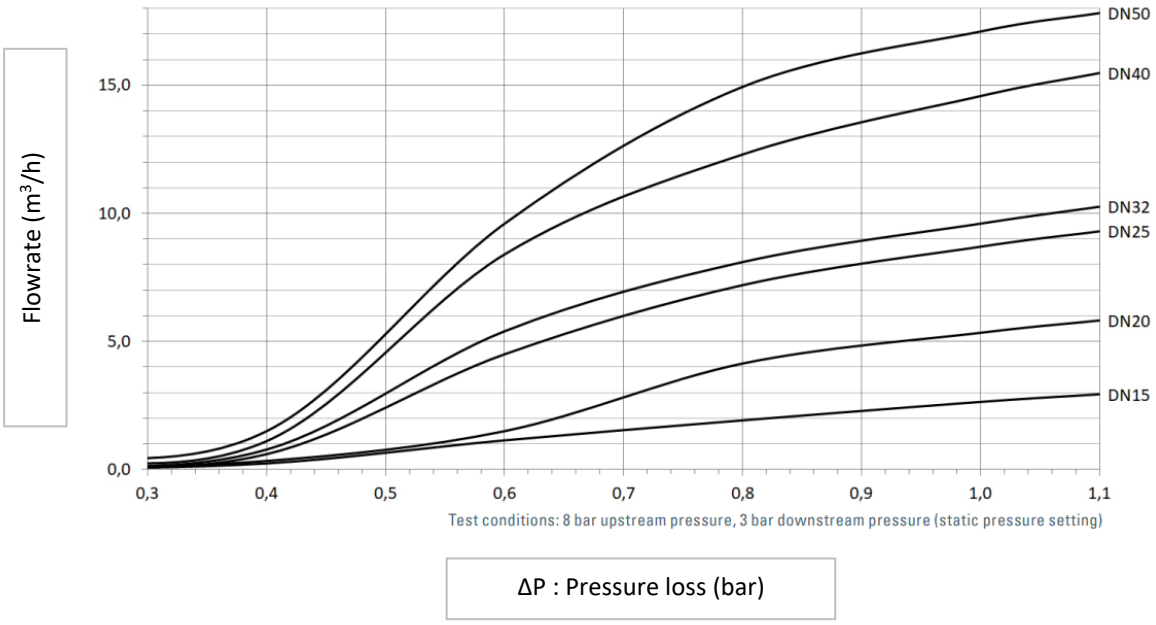
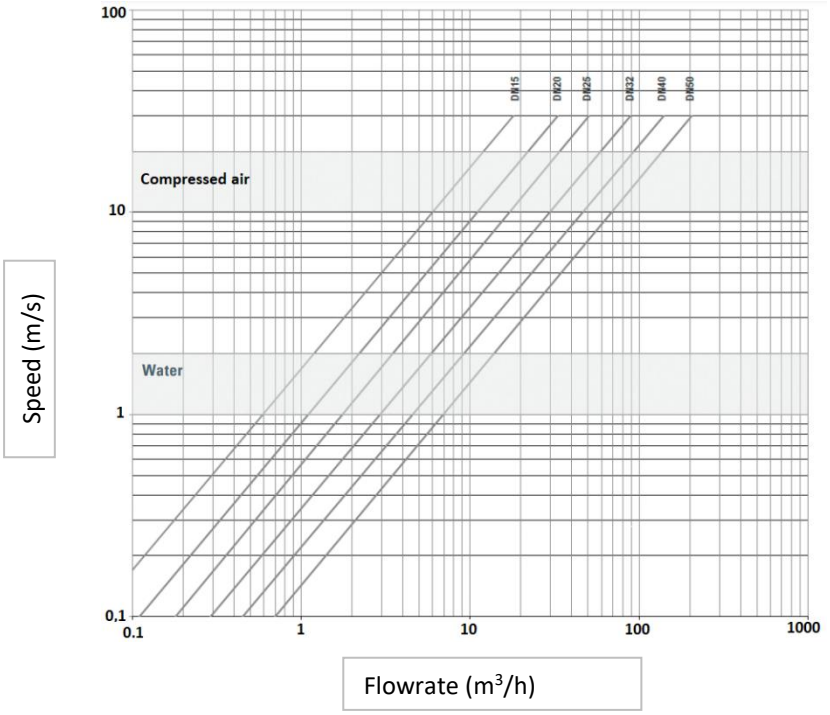
Kv VALUES AND FLOWRATE DIAGRAM

Type 9040	G 1/2"	G 3/4"	G 1"	G 1"1/4	G 1"1/2	G 2"
Kv (m^3/h)	3,4	4,4	9,3	10,5	19,5	20,5
Maximum flowrate (m^3/h)	3	6	9,3	10,2	15,5	17,8

Flowrate diagram / Pressure loss ΔP for water



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.

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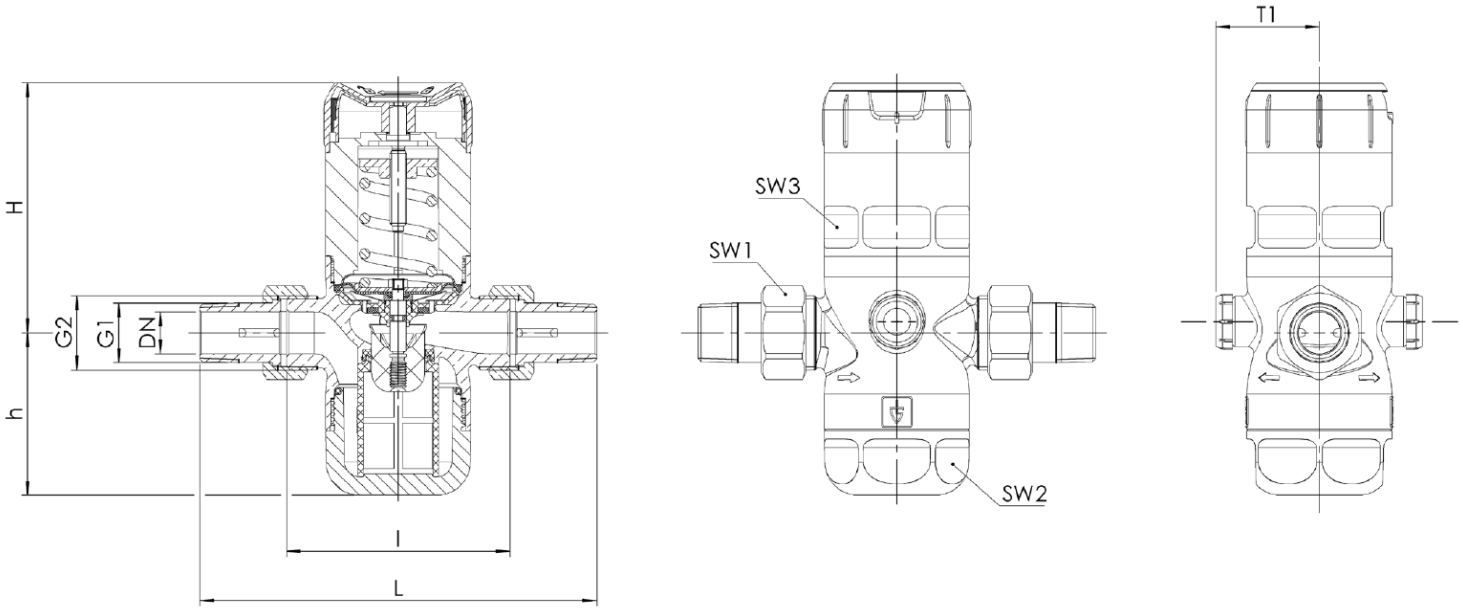
DIMENSIONS (mm) AND WEIGHT (kg)



DN	G1	G2	L	l	H	h	T1	SW1	SW2	SW3	Weight (Kg)
G 1/2"	R 1/2"	G 3/4"	136	80	89	58	37	30	46	46	0,8
G 3/4"	R 3/4"	G 1"	152	90	89	58	37	37	46	46	0,9
G 1"	R 1"	G 1"1/4	170	100	111	64	46	46	66	65	1,7
G 1"1/4	R 1"1/4	G 1"1/2	191	105	111	64	46	52	66	65	1,9
G 1"1/2	R 1"1/2	G 2"	220	130	151	94	50	65	75	75	3,9
G 2"	R 2"	G 2"1/2	254	140	151	94	50	80	75	75	4,5

Downstream pressure port : G 1/4"
Internal screen : 160µm filtration thresholds

SPARE PARTS

Pressure reducing valve 9040	
Bonnet assembly kit	
Valve	
Fittings kit	
Pressure gauges	
Pressure gauge plug with gaskets	
Filter element	
Filter cap	

https://www.sectoriel.com/fr/9040-reducteur-de-pression-pn16-en-acier-inoxydable-epdm-acs.html

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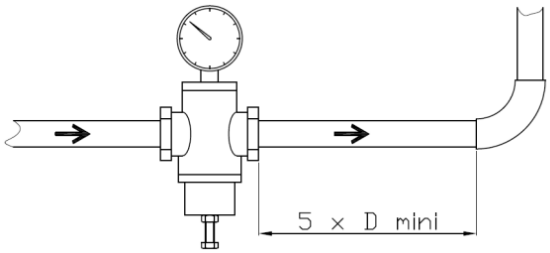
INSTALLATION

Position of mounting : The pressure reducer 9040 can be installed 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 9040, 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 9040. This one is not necessarily tight in zero flowrate and cannot be considered as an isolating valve.

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.

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