

STAINLESS STEEL LOW PRESSURE REDUCING VALVE TYPE DRV

FEATURES

The DRV low-pressure reducer is designed to reduce pressure in compressed air or gas supply circuits with a constant output pressure of between 5 and 600 mbar. Its robust design means it can be used in a wide range of industrial applications. Downstream pressure stability is very good, even with wide variations in upstream pressure. The DRV is fitted with an NBR + PTFE diaphragm and an FPM seal. It should only be used with clean, uncharged fluids. It is fitted with an adjusting screw and 1/4" NPT pressure gauge connections indicating the downstream pressure (not included).

AVAILABLE MODELS

DRV: Inlet G 1/2" - Outlet G 3/4".

Threaded connection G.

Sealing : FPM.

Diaphragm : NBR + PTFE.

Downstream pressure ports: 1/4" NPT (Pressure gauge not included)



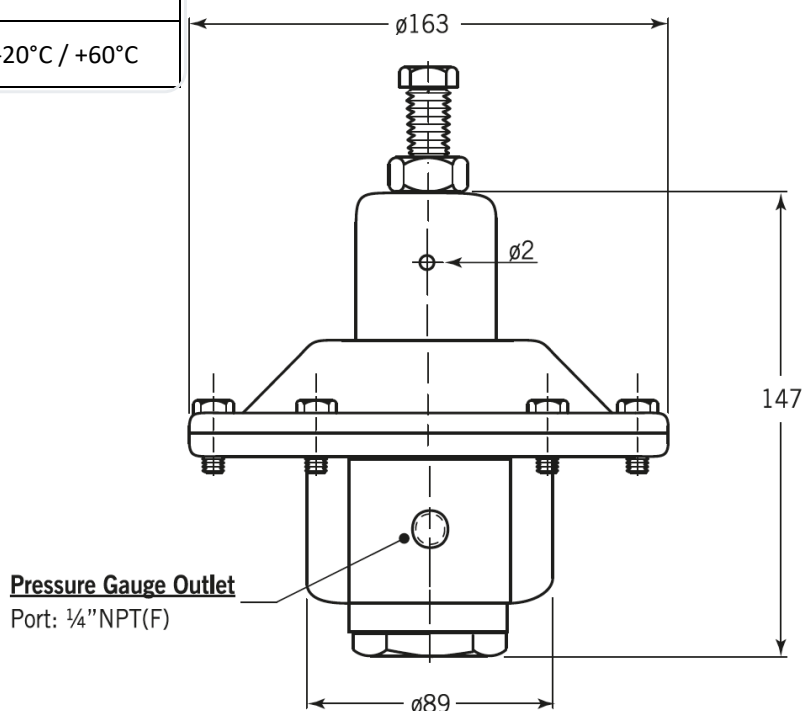
LIMITS OF USE

Max allowed fluid pressure : PS	6 bar
Upstream pressure :	5 - 60 mbar 25 - 200 mbar 40 - 400 mbar 100 - 600 mbar
Max allowed fluid temperature : TS	-20°C / +60°C

CONSTRUCTION

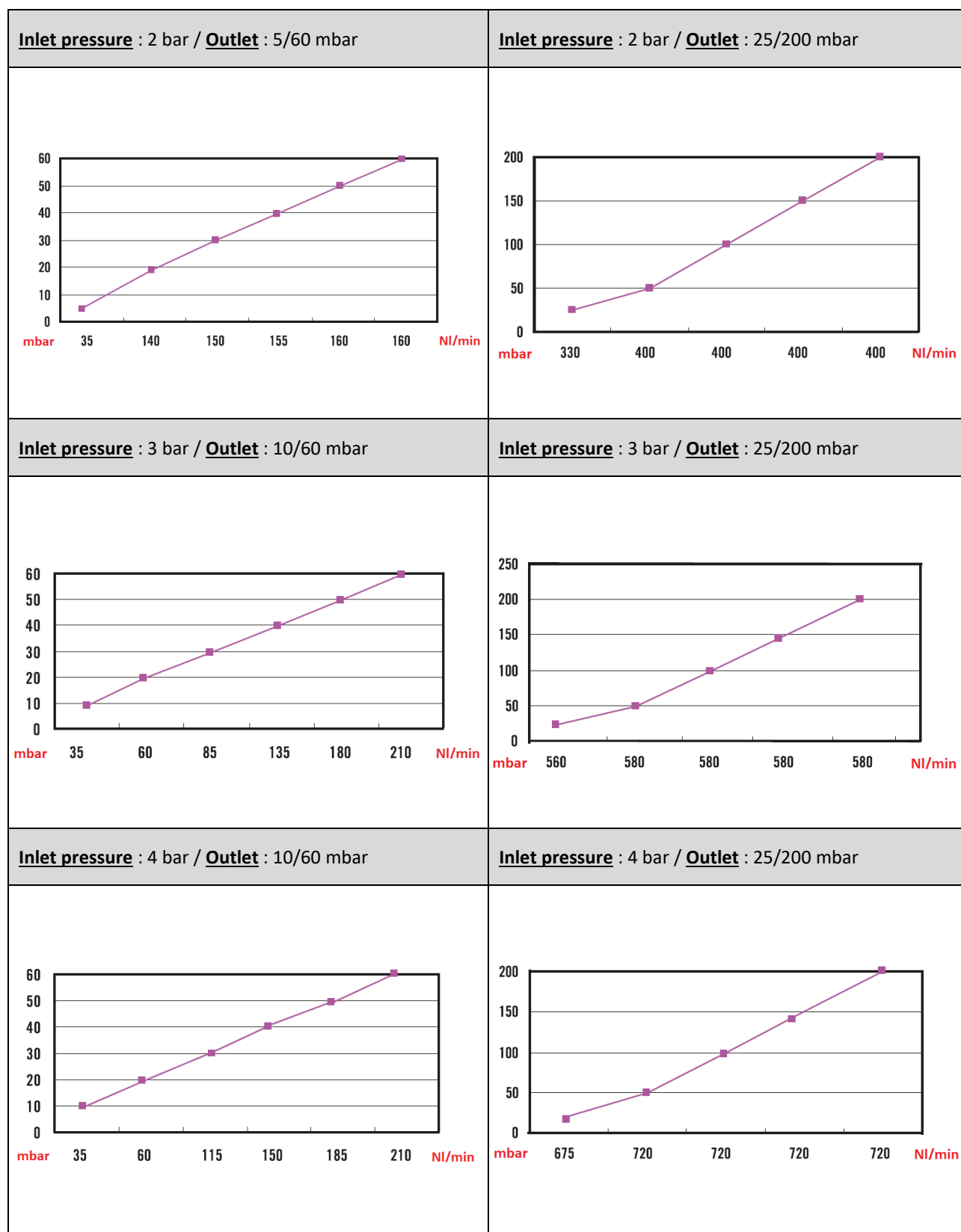
Item	Material
Body	1.4408 stainless steel
Diaphragm	NBR + PTFE
Sealing	FPM
1/4 ' NPT connection plugs	SS316

DIMENSIONS (mm)



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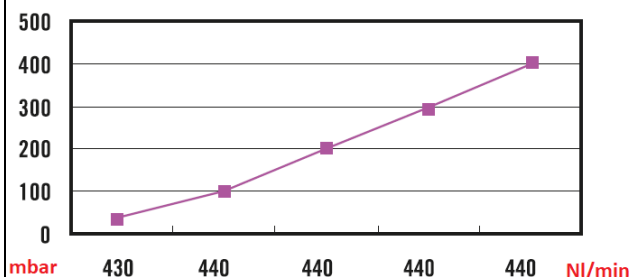
FLOW CHARTS FOR AIR



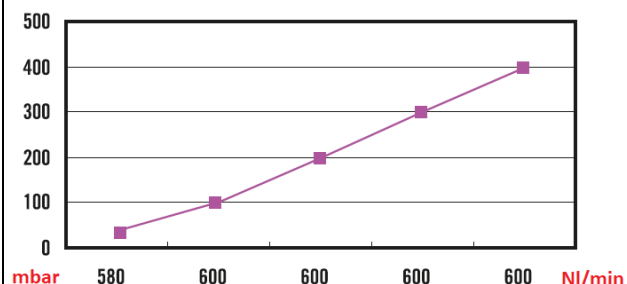
Information given as an indication only, and subject to possible modifications

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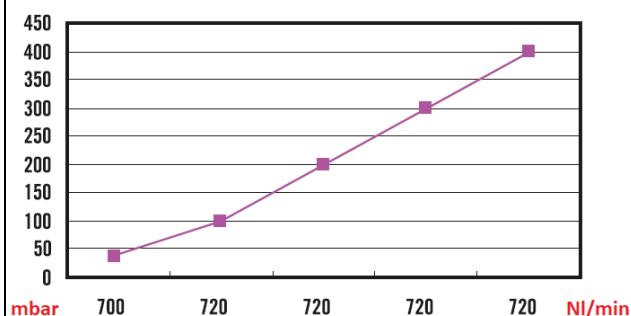
Inlet pressure : 2 bar / **Outlet** : 40/400 mbar



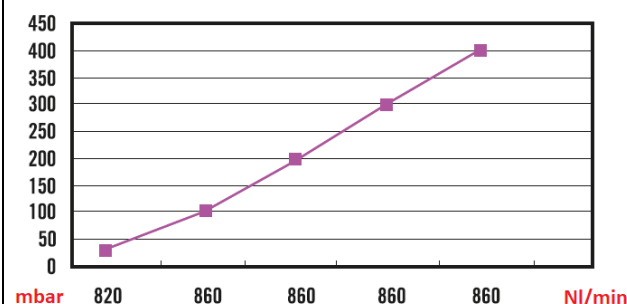
Inlet pressure : 3 bar / **Outlet** : 40/400 mbar



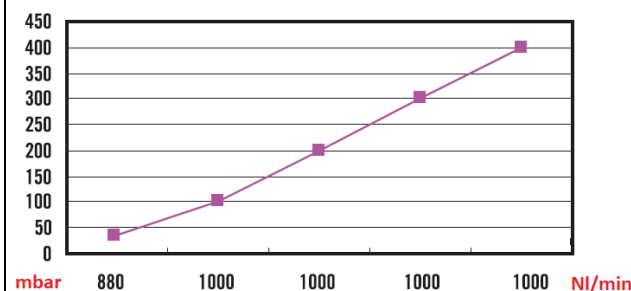
Inlet pressure : 4 bar / **Outlet** : 40/400 mbar



Inlet pressure : 5 bar / **Outlet** : 40/400 mbar



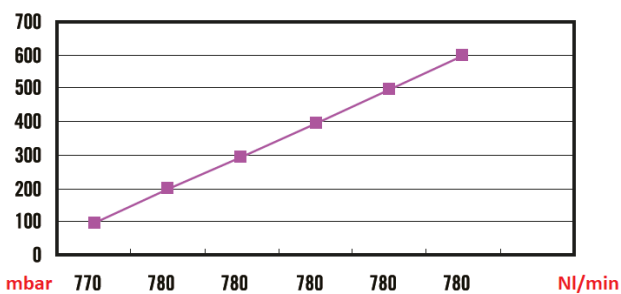
Inlet pressure : 6 bar / **Outlet** : 40/400 mbar



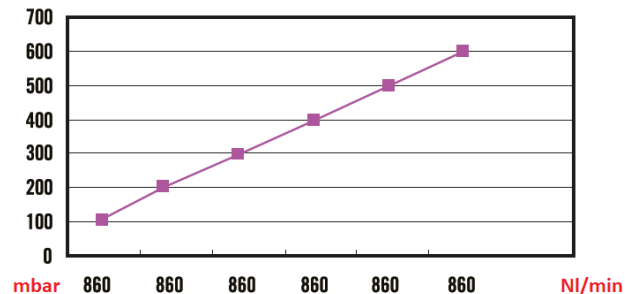
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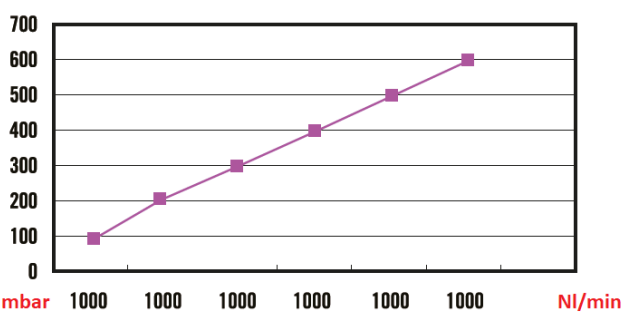
Inlet pressure : 4 bar / **Outlet** : 100/600 mbar



Inlet pressure : 5 bar / **Outlet** : 100/600 mbar



Inlet pressure : 6 bar / **Outlet** : 100/600 mbar



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SPARE PARTS

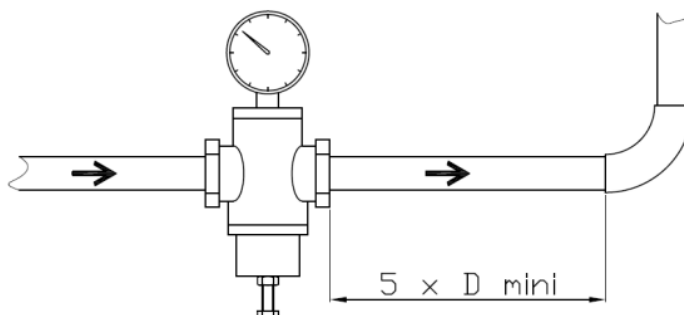
Low pressure reducing valve DRV	
Repair kit	
Spring	
https://www.....com/fr/drv-reducteur-inox-basse-pression-1-2poucesg-3-4poucesg.html	

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 DRV, plan before any of accident piping or device, a straight piping length at least equal to $5 \times DN$ and $10 \times DN$ 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 DRV. This one is not necessarily tight in zero flowrate and cannot be considered as an isolating valve.

Setting of the downstream pressure : Adjustment screw located at the top of the DRV 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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