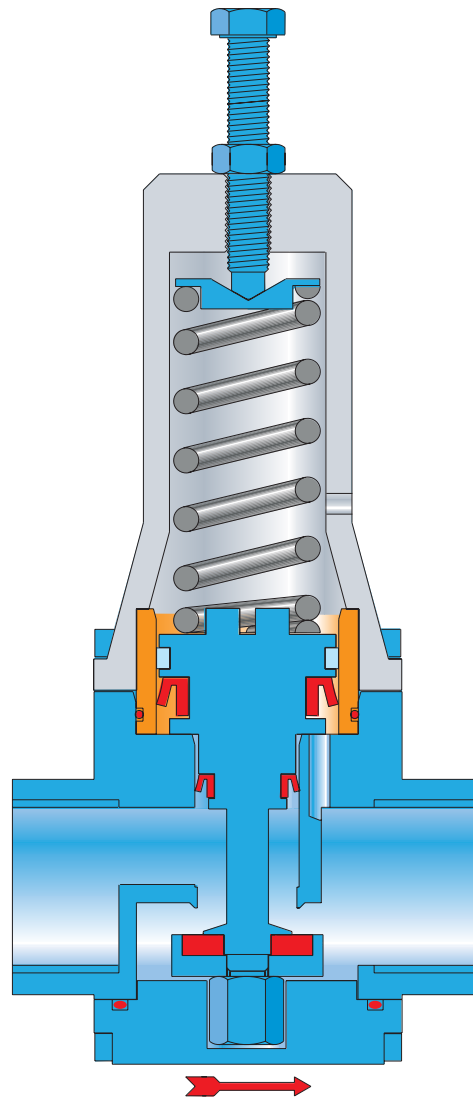


Pressure reducer-stabilizer Mod. VRCD 1" - 1 1/2" - 2" NP 40-64

In order to complete the range of pressure reducing valves, CSA has enhanced its offer by presenting the threaded series made of stainless steel. Addressed to users looking for a very reliable product, this product has been designed to tolerate high pressure and low flow rate conditions. This innovative and robust pressure reducing valve stands out as an essential requirement to protect your system from overpressure, maintaining the downstream pressure at a preset value regardless of flow rate and upstream pressure fluctuations.



Design

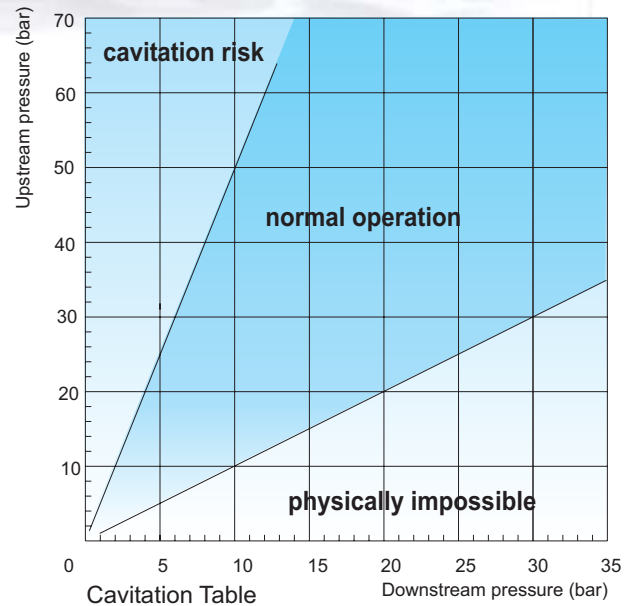
The spring loaded type reducer, whose internal mobile block is perfectly guided during its movement, adopts a piston technology and is provided with a compensation chamber. This particular design grant this valve with a perfect balance of the upstream forces, which are acting both on the piston and the shutter featuring the same surface. The result is equal forces in opposite directions.

Benefits

- high sensibility because the spring only has to counteract the downstream pressure;
- high reliability and absence of oscillations, which are very common for diaphragm controlled pressure reducing valves;
- able to maintain the preset pressure even with no flow rate.

Hydraulic characteristics

- Suggested flow rates: 1 l/sec for 1"; 2 l/sec for 1 1/2"; 3 l/sec for 2".
- Double body for NP 40 - NP 64;
- Reduction ratio of 1 to 5 guaranteed without cavitation effects;
- Downstream pressure range available:
for 1" from 1.5 to 15 bar or from 2 to 30 bar;
for 1 1/2" from 1,5 to 7 bar or from 2 to 14 bar;
for 2" from 1,6 to 6 bar or from 4 to 12 bar.
- Easy to be accessed from above for maintenance without having to remove it from the pipe;
- Provided with two taps both upstream and downstream for pressure measurements;
- The product is tested and certified for 1.5 NP; the downstream pressure value can be preset on request.



Installation

- The valve can be installed both in a vertical or in a horizontal position;
- It is strongly recommended to place gate valves before and after the reducer for maintenance purposes;
- For further protection of the internal sealing housings a filter must be placed upstream;
- Before installing it is important to clean the pipes involved with the valve's functioning, in order to prevent damages of its internal components from stones or debris;
- A safety valve must always be placed downstream of the reducer.

Maintenance

This product represents a very robust solution for your system and doesn't need any particular maintenance. It would be advisable to plan an inspection at least twice per year to make sure the valve is working properly and the settings remained unchanged. As previously said, the valve can be easily accessed from above for maintenance purposes.

Materials

Body in stainless steel AISI 303

Cap in aluminium S11

Spring in 5Cr-Si66

Piston in stainless steel

Sealing Seat in stainless steel

Disc retainer in stainless steel

Tap in stainless steel

Nuts and bolts in steel A2

Gaskets in NBR/Poliuretane

Taps both upstream and downstream.

DN	A	B	C	D	Weight
1"	90	CH 41	170	45	2,1
1 1/2"	110	CH 55	205	50	2,8
2"	152	CH 70	290	60	5,9

