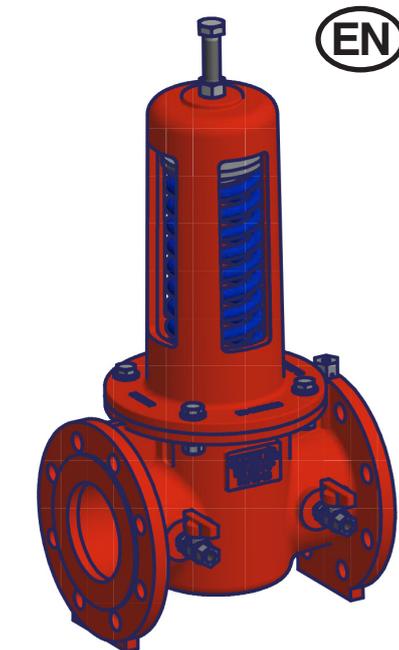
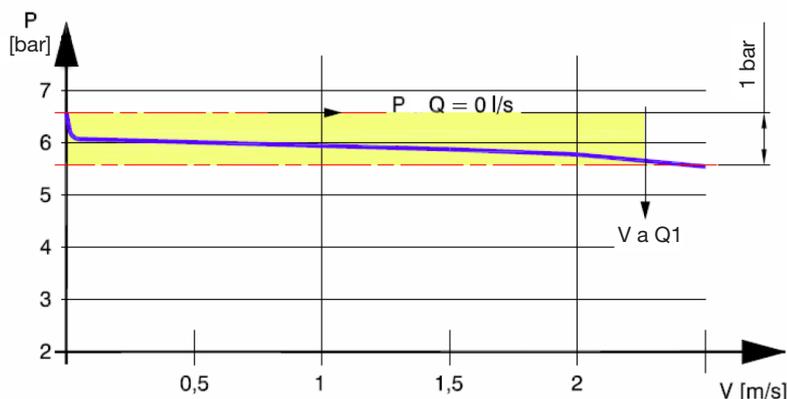


### Simple, Reliable, and Accurate

- Automatic and autonomous operation
- Easy adjustment and maintenance
- Approved materials

The model 576 reduces a higher inlet pressure to a lower downstream pressure, regardless of upstream pressure and flow variations. The simple and robust design of the model 576 allows stable operation, minimal maintenance as well as an assembly in various positions.

### 576: Performances and Characteristics



Sizes : DN 50 to DN 150  
 Pressure and flange drillings:  
 PFA 10 bar - ISO PN 10  
 PFA 16 bar - ISO PN 16  
 PFA 25 bar - ISO PN 25  
 PFA 40 bar - ISO PN 40  
 Temperature range: 1° – 60°  
 Upstream pressure: 40 bar max.  
 Downstream pressure: 2 – 14 bar  
 Test: 2014/68/EU  
 Leakage class:  
 ANSI/FCI 70-2 CLASSE III

PN 16		576062	576082	576102	576122	576152
PN 25	576053	576063	576083	576103	576123	576153
PN 40	576054	576064	576084	576104	576124	576154
DN	50	65	80	100	125	150
Q1 [l/s]	4,0	7,0	11,0	17,0	26,0	38,0
Q2 [l/s]	3,9	6,6	10,0	15,7	24,5	35,3
Q3 [l/s]	8	13	20	31	48	70

Q1: Flow based on 1 bar pressure drop across the valve

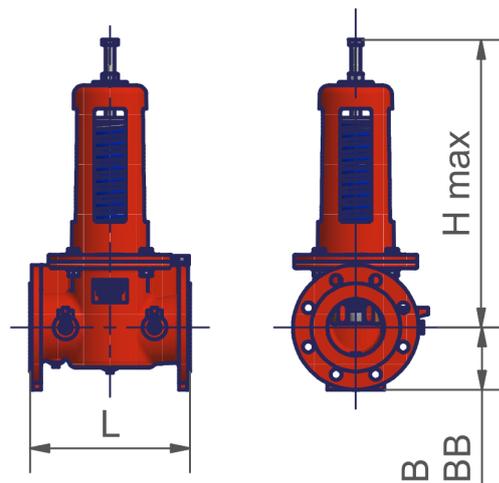
Q2: Recommended flow based on 2 m/s velocity

Q3: Intermittent flow based on 4 m/s velocity

### 576: Dimensions

B: PN 10-16 / BB: PN 25-40

PN 16		576062	576082	576102	576122	576152
PN 25	576053	576063	576083	576103	576123	576153
PN 40	576054	576064	576084	576104	576124	576154
DN	50	65	80	100	125	150
L [mm]	230	240	260	280	320	350
H max. [mm]	325	400	460	575	815	815
B [mm]	83	93	100	110	125	143
BB [mm]				117,5	135	150
Peso [kg]	13	18	27	45	90	100

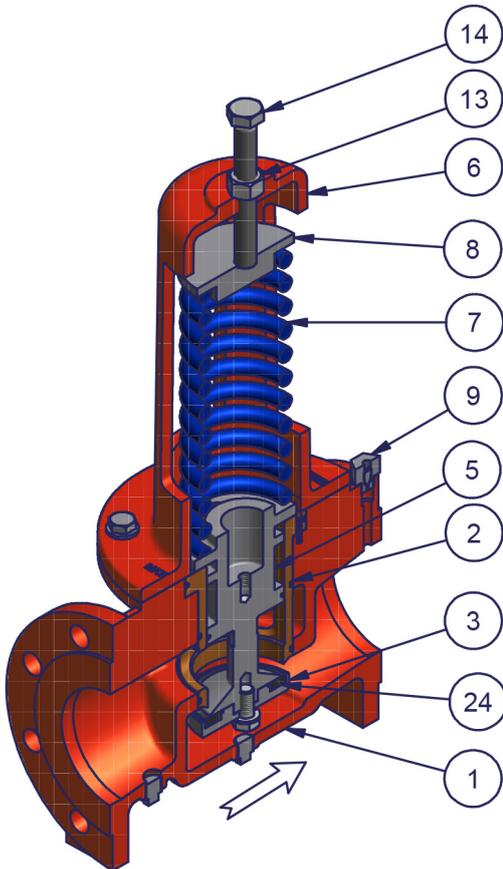


# Direct Acting Pressure Reducing Valve

## Series 576



Simple, Reliable, and Accurate



### • 576: Construction

- Body and cover for high pressure in ductile iron GGG 40 epoxy coated.
- Valve / Disc guide in stainless steel.
- Seat stainless steel.
- Screws and bolts stainless steel.

POS.	COMPONENT	MATERIAL
1	Body	Ductile iron - GGG 40
2	Seat	Stainless steel - AISI 316
3	Disc retainer	Stainless steel - AISI 303/304
5	Piston	Bronze - ASTM B62
6	Cover	Ductile iron- GGG 40
7	Spring	Steel
8	Spring guide	Stainless steel- AISI 303/304
9	Air release plug	Stainless steel - AISI 303/304
13	Blocking nut	Stainless steel - AISI 303/304
14	Adjusting tangent	Stainless steel - AISI 303/304
24	Gasket	RBR

### • 576: Installation et Maintenance

The pressure reducing valve is assembled as shown on the typical installation schematic. Proper mounting is indicated by the inlet plate or flow arrows.

The Pressure reducing valve 576 can be assembled in any position.

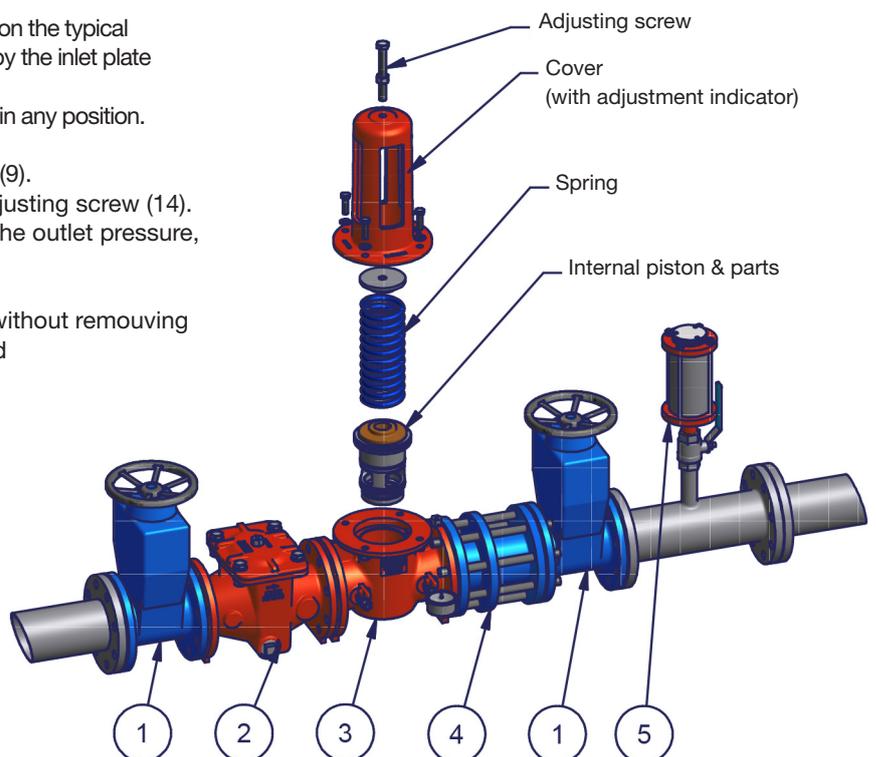
To vent the valve use the flange air release plug (9).

Adjust downstream pressure using the cover adjusting screw (14). Turn the adjusting screw clockwise to increase the outlet pressure, counterclockwise to decrease pressure.

Internal piston and parts can be disassembled without removing the valve body from the main line. Upstream and downstream gate valve (1) drip tight closed.

#### Typical installation :

- 1) Gate valve (downstream and upstream)
- 2) H - Strainer
- 3) Downstream pressure valve 576
- 4) Dismantling joint
- 5) Air valve



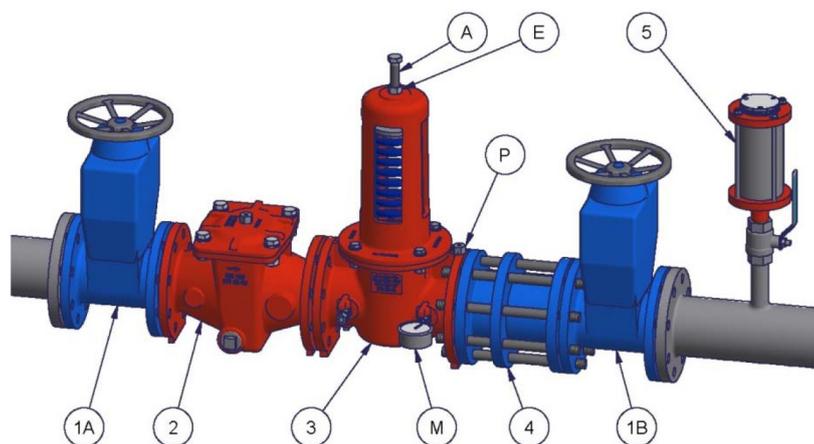
# Direct Acting Pressure Reducing Valve

## Series 576



### 1 ▶ INSTALLATION

It is necessary during installation to follow codes of good practice, to comply with local requirements and to follow the installation instructions. The installation location should be protected against frost and be easily accessible. We recommend installing a fine filter in front of the pressure reducing valve 576.



#### Example of assembly:

- (1A) Gate valve
- (1B) Isolating valve
- (2) Filter
- (3) Pressure reducing valve 576
- (4) Dismantling and adjusting piece
- (5) Air release valve
- (A) Adjustable screw
- (E) Locknut
- (M) Downstream pressure gauge
- (P) Venting screw

Fluid temperature: 1° - 60°C  
Upstream pressure: 40 bar max.  
Downstream pressure: 2.0 to 14 bar  
Fluid: Potable water

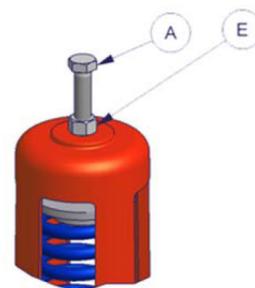
### 2 ▶ ASSEMBLY

- 1 - Flushing the pipe..
- 2- Ensure that the pipeline is clean and there are no foreign matters in the pressure reducing valve 576 (3).
- 3- Close isolating valve (1A) and (1B).
- 4- Install the pressure reducing valve 576 (3) respecting the flow direction (See flow arrow on the body).  
The best installation for the pressure reducing valve is on a horizontal pipeline with the cover directed upwards.
- 5- For the initial operation, please check chapter 3.

### 3 ▶ INITIAL OPERATION

- 1- Loosen locknut (E).
- 2- AOpen upstream isolating valve (1A) partially.
- 3- Open the venting screw (P) until pressure reducing valve is fully filled.
- 4- Open downstream isolating valve (1B) partially.
- 5- Adjust downstream pressure using the adjusting screw (A). Turn the adjusting screw clockwise to increase the outlet pressure, counterclockwise to decrease pressure, until the manometer (M) indicates the desired pressure.
- 6- Open isolating valve (1A) completely.
- 7- Open downstream isolating valve (1B) slightly to fill the downstream line.
- 8- Tighten locknut (E).

The pressure reducing valve 576 is in operation.



Pressure adjustment with the adjusting screw (A)

DN	1x  bar
40-80	0,4
100	0,6
125 - 150	0,3

 The pressure reduction valve 576 should be used only in proper condition and according to its regulation. Please read the operating instructions. Exclude all possible sources of error, which can endanger security. All assembly works are to be implemented by authorized technical personnel or consult the manufacturer.

# Direct Acting Pressure Reducing Valve

## Series 576



### 4 ▶ MAINTENANCE

Inspection: Once per year..

It is recommended to exchange all wearing parts: 1- according the operation conditions. 2- with high fluctuating pressures. The maintenance schedule of the pressure reducing valve 576 can be undertaken, without taking the armature out of the line. The trim can be pulled out of the body with the help of the disassembling tool No. F0001238 (not supplied with the pressure reducing valve 576).

Dimensions	(*) = Repair kit 576 (PFA 25 bar)	Trim 576 (PFA 25 bar)
DN 60/65	F0001230	F0001234
DN 80	F0001231	F0001235
DN 100	F0001232	F0001236
DN 125	F0001233	F0001237
DN 150		

