KVR-R HP

- Circular
- Flame retardant PVC
- High pressure

Adjustable constant air volume dampers type KVR-R HP

Constant volume control dampers for high pressures made of fire retardant plastics.
The range covers an air flow range between 25 up to 1200 m³/h within a pressure range from 150 up to 600 Pa.

Application

- To obtain constant air volumes in ventilation and air conditioning systems within a pressure range between 150 and 600Pa
- For air supply or exhaust duct systems
- Maximum working temperature 60°C

Material

- Fire retardant plastics classified M1
- Body in steel for diameter 160 to 250

Colour

- Black

Composition

- Valve and piston made out of fire retardant plastics M1
- Body in fire retardant plastics M1
- Stainless steel calibrated spring
- Rubber air-tight sealing

Mounting

- To be inserted inside round ducts
- For horizontal of vertical mounting
- When horizontally mounted the marking "BAS" must be horizontal
- To be placed according the marked airflow direction
- To be placed in air supply at a minimum distance of 3x the duct diameter from air supply grilles and at the same distance close to areas with high turbulance like duct connections, bends,...
- To be placed in air exhaust at a minimum distance of 1x the duct diameter from air exhaust grilles and at the same distance close to areas with high turbulance like duct connections, bends,...
- The flow regulator must be accessible to allow maintenance.

Accessories

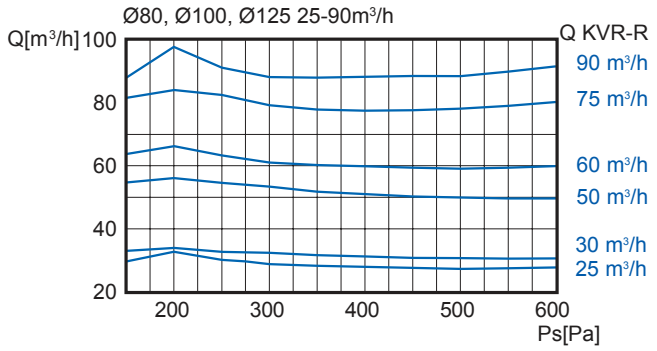
- Screwdriver or T10 Torx bit to unscrew the screw for adjusting the air flow from the regulator

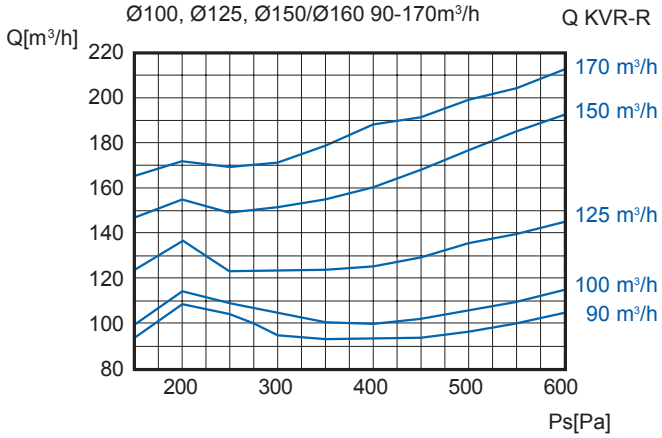
Order example

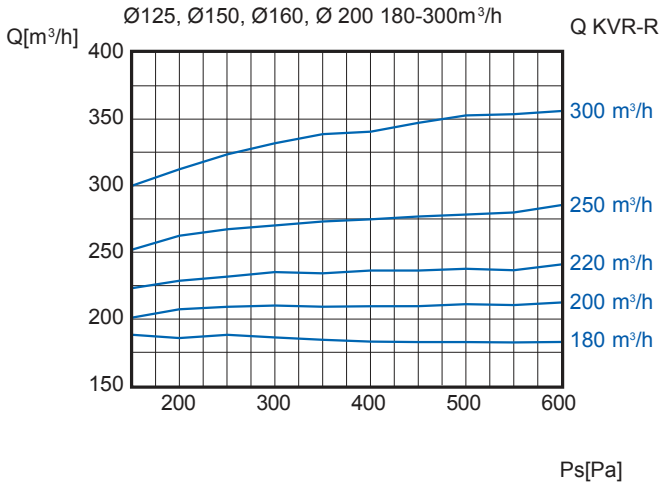
KVR-HP-R, 200, 800 m³/h

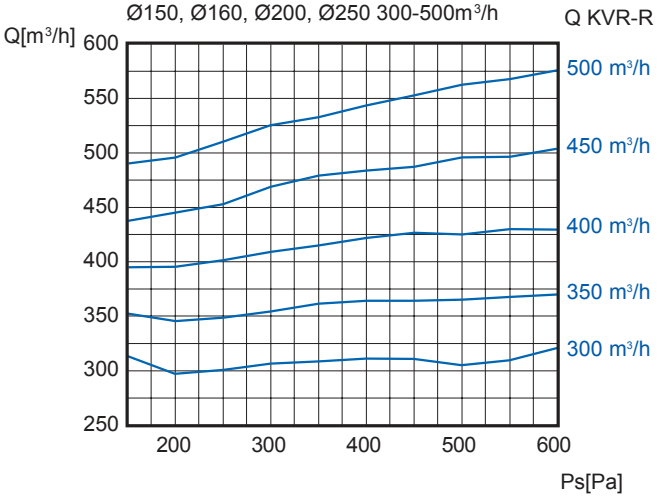
- **KVR-HP-R** = Type of constant air volume control dampers
- **200** = Duct diameter
- **800 m³/h** = Air flow

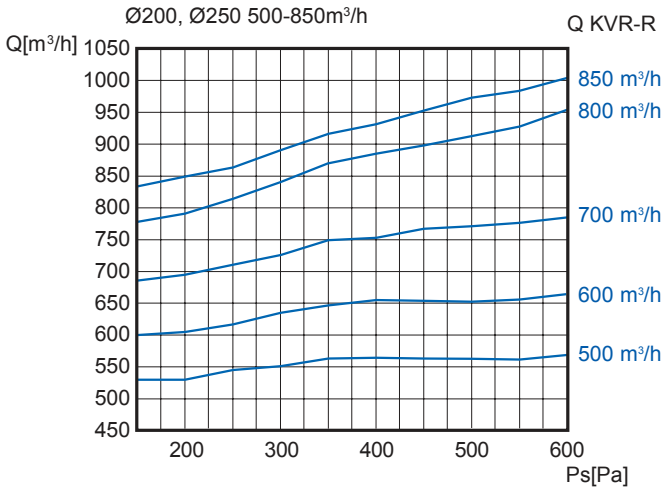
Pressure loss

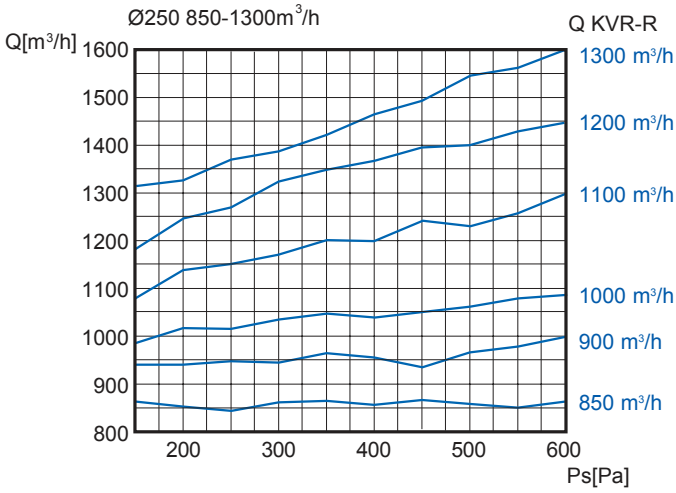






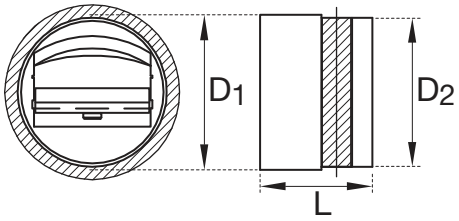






Symbols and specifications

- The graphs characterize the variations in the air flow in extraction with respect to the pressure differential in Pascal at a pressure set between 150 and 600Pa. The flow rates shown are average values and may vary as follows
  - For Ø80: +/- 3m³/h
  - For Ø100 and Ø125: +/- 3 m³/h for air volume <= 50 m³/h, +/-5% for air volume >50 m³/h
  - For Ø150, Ø160, Ø200 and Ø250: +/- 5%



	Dimensions		
	D1 [mm]	D2 [mm]	L [mm]
Ø 80	76	76	55
Ø 100	96	93	70
Ø 125	120	117	86
Ø 150	146	148	91
Ø 160	146	148	91
Ø 200	190	195	91
Ø 250	245	236	127

Adjustment

■ Ø 80 et 100 mm

■ Ø 125 à 250 mm