

## Back Pressure Control Valve, Cast stainless steel body

- Cost-effective modular design
- Optimized for size against maximum pressure control
- Completely adjustable pressure control range
- Option of Silicon or FKM(FPM) Diaphragm available
- Fully Autoclavable
- Various internal surface finish available



Series 80 back pressure control valve has a conical body, a diaphragm for sealing and bonnet with internal mechanism.

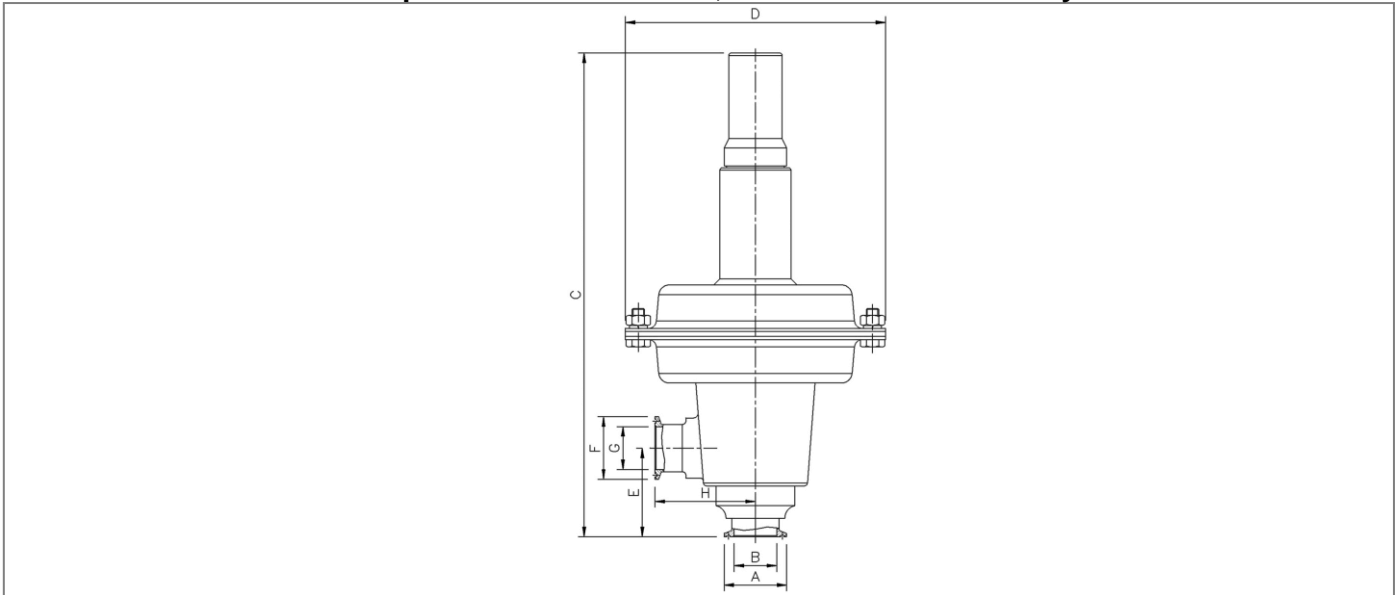
The diaphragm is both a switch as well as a sealing element for the media. It is easily replaceable. This large diaphragm is optimized in size to achieve maximum pressure control.

The bonnet is provided for the protection of diaphragm and internal mechanism. Threaded shaft-bolt arrangement is provided to adjust back pressure at desired level.

### Technical Data

<b>Connection Size</b>	1", 1½", 2"
<b>MOC – Wetted (Contact)</b>	ASTM A351 CF3M (SS 316L)
<b>MOC – Non-wetted (Non- contact)</b>	Stainless Steel 304
<b>Seal material</b>	FKM / FPM (fluoroelastomer), Silicon
<b>Media</b>	Neutral gases and liquids, high purity, sterile, aggressive or abrasive fluids
<b>Viscosity</b>	Up to viscous
<b>Surface finish</b>	Blasted, Mechanical or Electro Polish
<b>Media temperature</b>	-10°C to +90 °C
<b>Ambient temperature</b>	Up to +90 °C
<b>Sterilization temperature</b>	Briefly up to +150 °C
<b>End connections</b> • V-band (Hygienic) Clamp	ASME BPE - EN ISO 1127/ISO 4200 and BS 4825 are available on request
<b>Installation</b>	As required, preferably attached on top of the vessel

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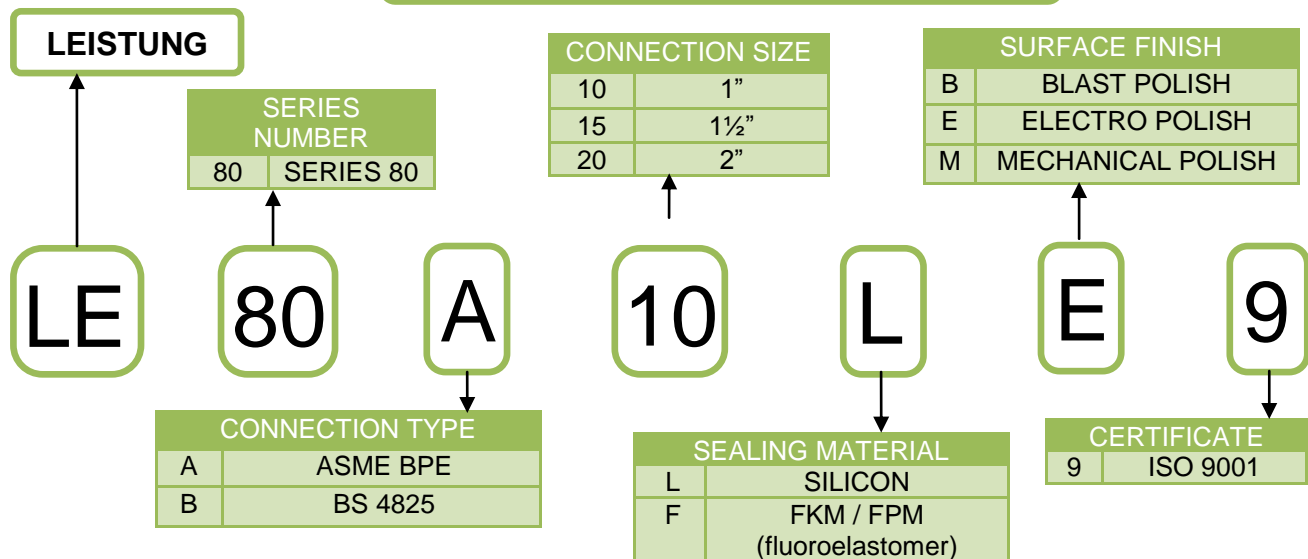
Dimensions for end connections according to ASME BPE connection type

Connection Size	Flange OD	Connection ID	Valve Height	Outside Diameter of Bonnet	Height of Inlet Connection	Flange OD of Inlet Connection	ID of Inlet Connection	Width of Inlet Connection
	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)
1"	50.4	22.1	388.0	210.0	71.50	50.4	22.1	81.0
1½"	50.4	34.8	388.0	210.0	71.50	50.4	34.8	81.0
2"	63.9	47.5	388.0	210.0	71.50	63.9	47.5	81.0

- Notes: 1. Dimensions and tolerances for end connections and face-to-face length are as per ASME BPE.  
 2. All other dimensions are approximate and subject to change without prior notice.

Ordering Chart

ORDER IDENTIFICATION NUMBER



Note: Valves with end connection sizes according to BS 4825 is available on request.

In case of special application conditions, please e-mail at: [rnd@leistung.in](mailto:rnd@leistung.in)  
 The technical specifications are subject to change without notice.