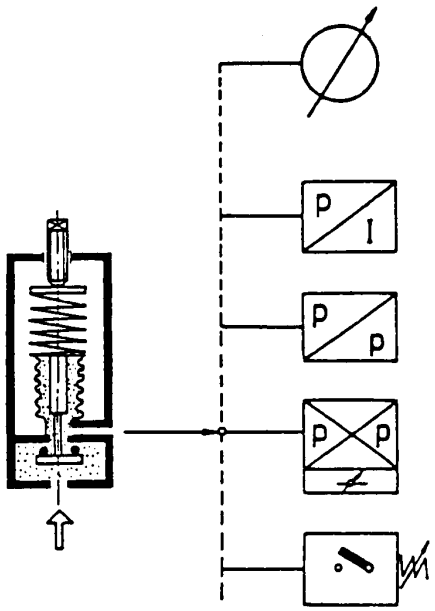
OVERPRESSURE BARRIER

The overpressure barrier devices are designed to protect instruments with pressure inputs against overload, in case either slow or sudden changes in pressure. The medium to be measured can be steam, gas or liquid. Pressures less than the preset closing pressure are enabled to pass through the device unimpeded into the sensing element of the instrument connected however, at the preset pressure the valve will shut, thus disabling the pressure to further increase at the output of the overpressure barrier. Solid particles from possibly entering into the device as well as the medium to be measured from solidifying shall be prevented (e.g. by using pressure transfer device type 2340–).



Specification

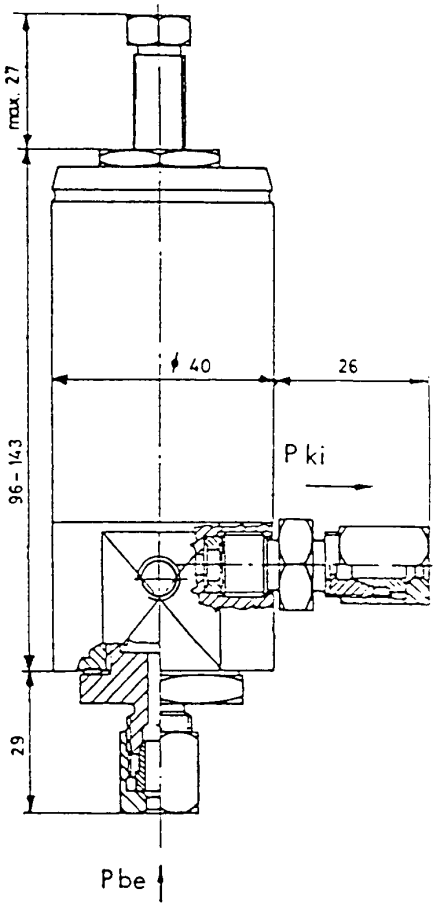
Type number **2 3 4 2 – 0 – 0 □ □ – 0**

	Input connection
1	Metal pipe, dia 6x1 mm (male thread M12x1.5 mm)
2	Male thread M20x1.5 mm

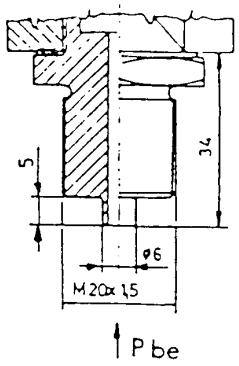
	Closing pressure range	Closing accuracy	Mass
1	2.75... 12 bar	± 0.3 bar	0.7 kg
2	12 ... 44 bar	± 1.0 bar	
3	44 ...275 bar	± 4.0 bar	1.5 kg

Input signal range of the instrument connected	0...2.5 to 0...250 bar
Permissible load of the overpressure barrier	400 bar
Ambient temperature range during operation	–40...+ 70 °C
Temperature range of the medium to be measured	–40...+100 °C
Permissible vibrations	0 to 500 Hz, 1 g

Environmental class	normal, outdoor
Mounting position	indifferent
Output connection	metal pipe dia. 6x1 or female thread M12x1.5 mm
Material of parts in contact with the medium to be measured	KO 36 and petrol and oil resistant rubber



Connection type 1



Connection type 2

Outline drawing

Ordering information

Specify the type number of the device selected, and the type number and input signal range of the instrument connected. The closing pressure to be set by the MMG AM will also be required.