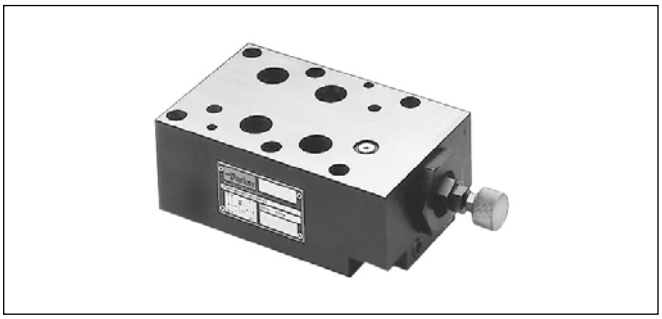
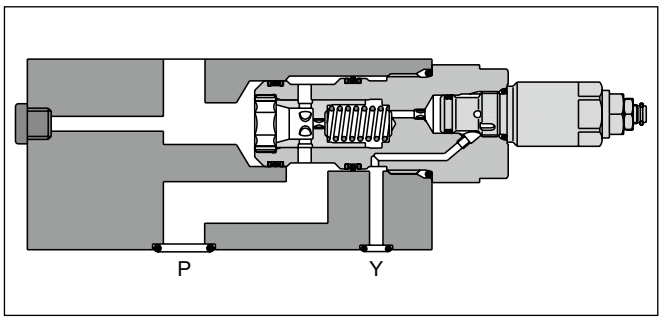
The pilot operated pressure reducing valves series PRM are in sandwich design for easy configuration of stack systems. The reducing function is located in port P.

The pressure reduction for the desired connecting port is achieved by internal connections of the pilot and drain lines with the corresponding channels.



PRM6



PRM4

Features

- The valve bodies of the Parker Manapak valve series PRM are made of steel.
- The control pressure range can be set by hexagon socket screw (PRM4), by knob (PRM6).
- Pressure gauge/measuring connections are available in the valve body.
- Piloting results in a flat p/Q performance curve.
- PRM4 - NG16 (CETOP 07)
  PRM6 - NG25 (CETOP 08)

Ordering code

PRM	4			S	V	HT
Pilot operated pressure reducing valve	Size NG16	Pressure reducing	Pressure range	Adjustment hexagon socket	Seal FPM	Design series

Code	Pressure reducing
PP	Function in P, reduced pressure in P
PA	Function in P, reduced pressure in A
PB	Function in P, reduced pressure in B

Code	Pressure range
07	4 to 70 bar
25	10 to 250 bar
35	10 to 350 bar

PRM	6			K	V	G	
Pilot operated pressure reducing valve	Size NG25	Pressure reducing	Pressure range	Adjustment Turning knob	Seal FPM	Gauge port G¼"	Design series (not required for ordering)

Code	Connection
PA	P
AP	A

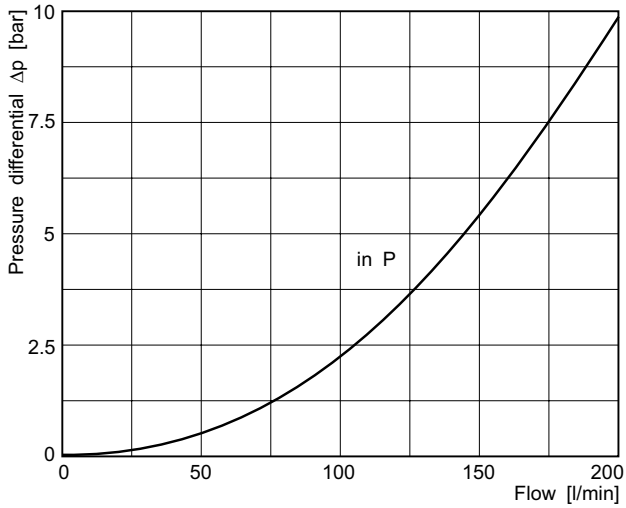
Code	Pressure range
07	10 to 70 bar
17	10 to 175 bar
25	10 to 250 bar

Technical data

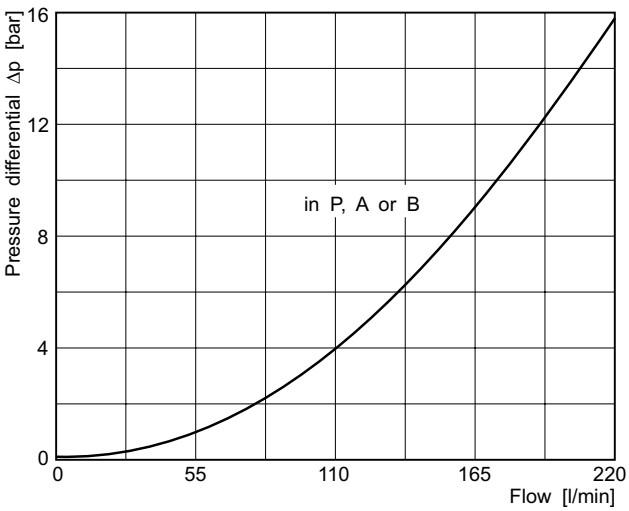
General			
Series		**PRM4**	**PRM6**
Size		**NG16**	**NG25**
Mounting interface		ISO 4401	
Ambient temperature	[°C]	-20...+60	
Weight	[kg]	5.0	5.6
$MTTF_D$ value	[years]	75	
Hydraulic			
Max. operating pressure	[bar]	350	250
Pressure reduction in channel		P, A, B	P, A
Fluid		Hydraulic oil according to DIN 51524	
Fluid temperature	[°C]	-20...+70	
Viscosity, permitted	[cSt] / [mm²/s]	20 ... 400	
Viscosity, recommended	[cSt] / [mm²/s]	30 ... 80	
Filtration		ISO 4406; 18/16/13	

Δp/Q performance curves

PRM4



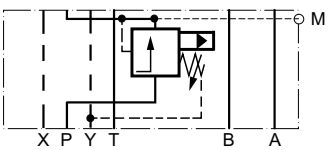
PRM6



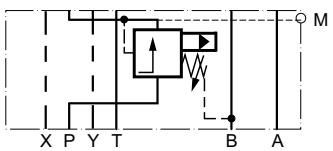
All characteristic curves measured with HLP46 at 50 °C.

Schematics

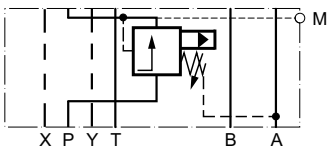
PRM4PP
PRM6PA



PRM4PA
PRM6AP

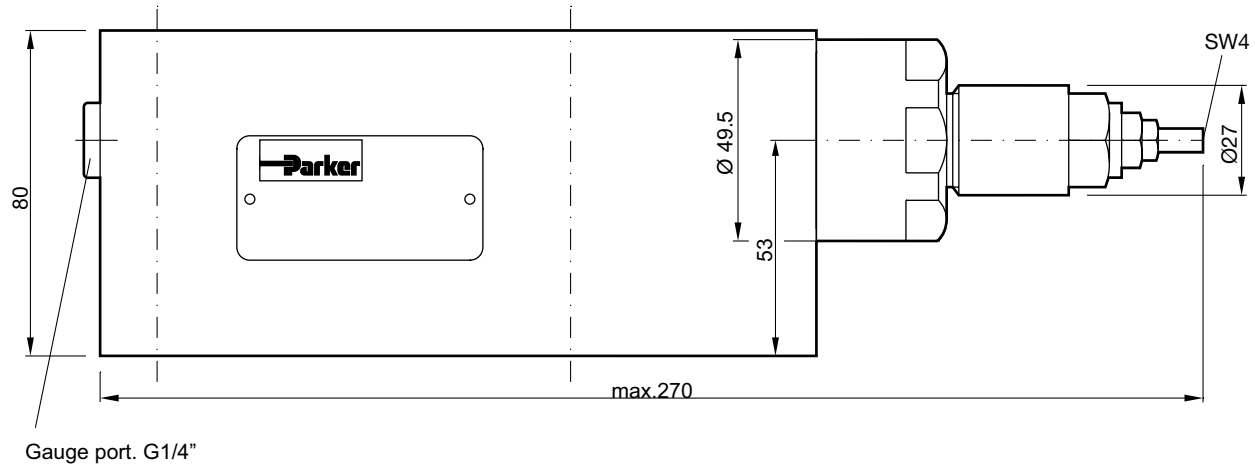


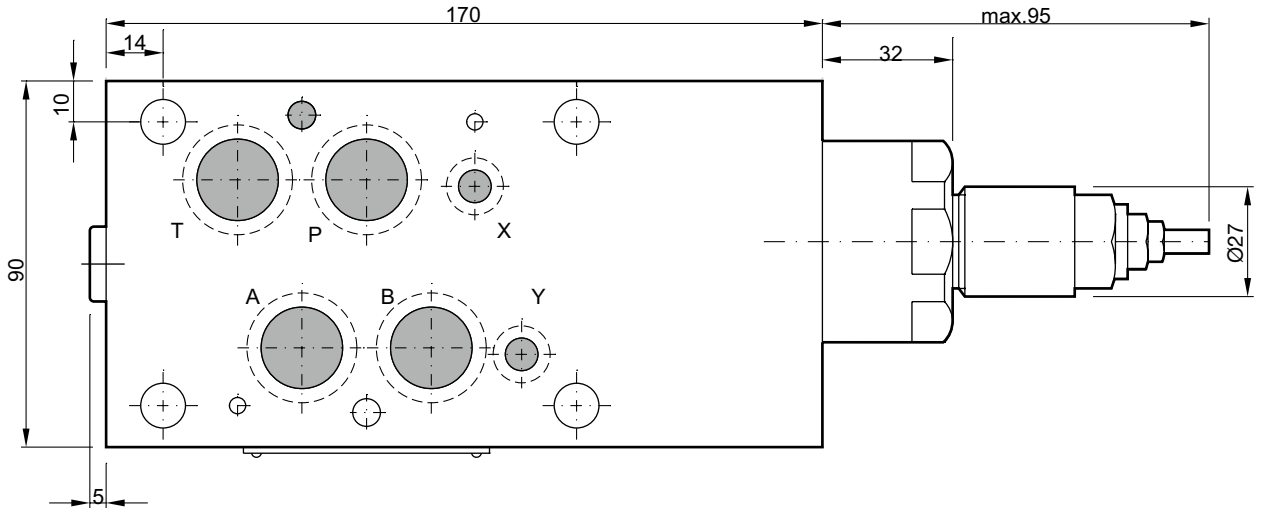
PRM4PB



PRM4

Adjustment code S

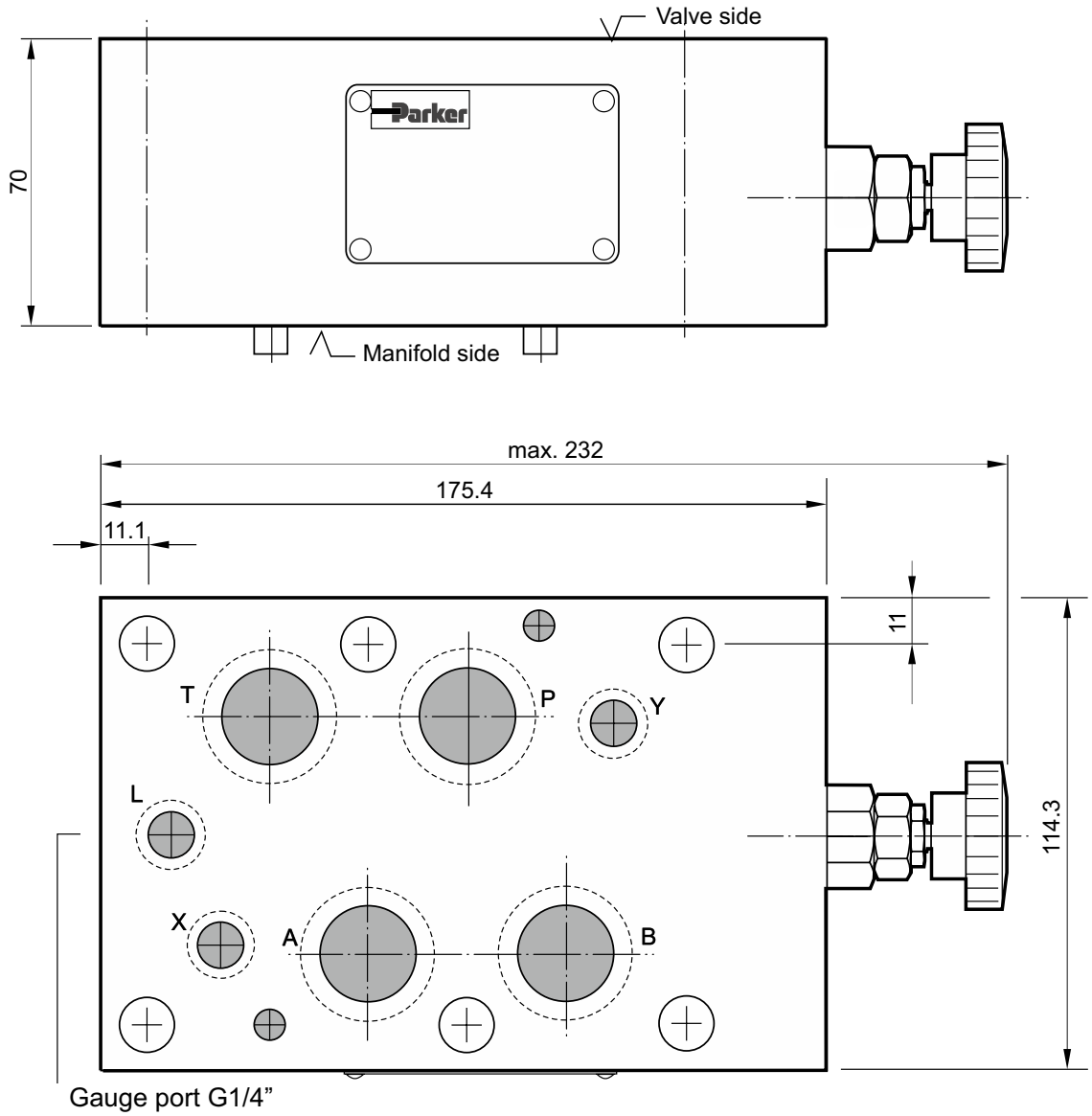




Seal kit PRM4	
Seal	**Order code**
V	SK-PRM4-V-10

PRM6

Adjustment code K



Seal kit PRM6	
Seal	**Order code**
V	SK-PRM6-V-25