

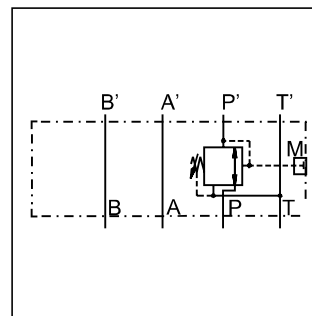
Series PRDM are direct operated pressure reducing valves to regulate pressure in one area of a hydraulic circuit at a predetermined level below normal system pressure. Additionally, an integral pressure relieving function for the secondary reduced pressure circuit is incorporated into the design.

Function

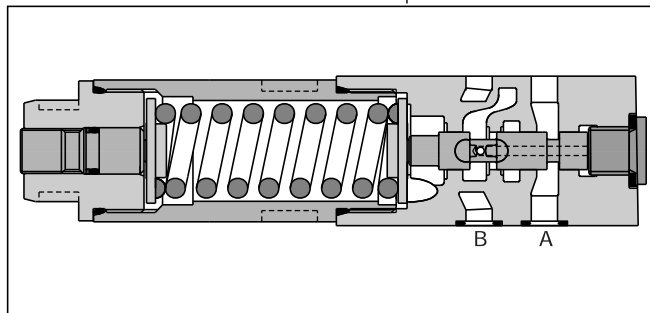
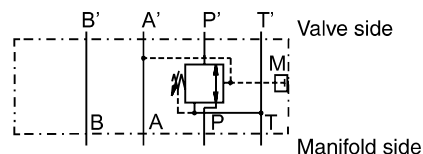
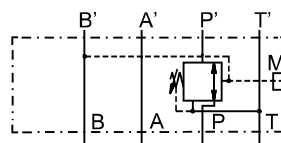
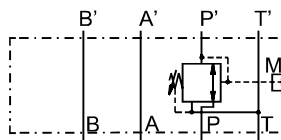
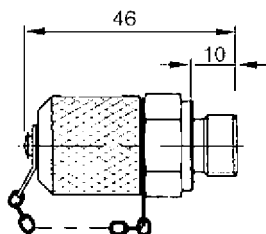
These valves are "normally open" devices that allow fluid to flow through the controlled port during their non-actuated or "at rest" condition. When downstream pressure exceeds the value set by the spring force, the control piston moves off its seat, closing off the flow path and thus reducing the fluid passing through from the main system. The cushioned piston modulates to maintain the preset pressure in this branch of the hydraulic circuit. If, due to external forces, the pressure continues to rise in this branch circuit, the piston will keep moving against the spring force allowing fluid to be drained to the tank, thereby limiting maximum pressure to the valve's setting.

Features

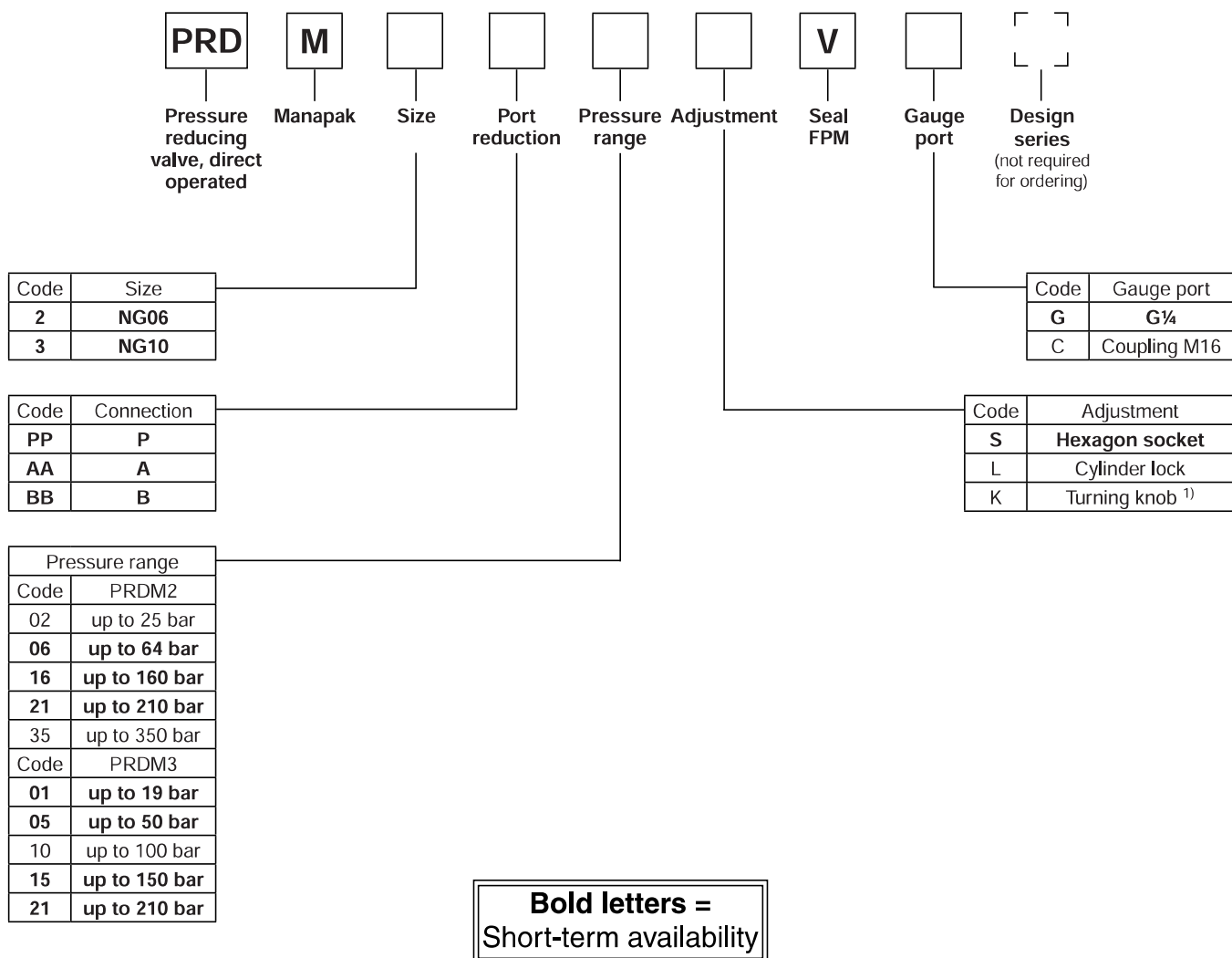
- 3-way design for pressure relieving of the secondary side
- The direct operated, cushioned piston design results in fast response, low leakage and minimal hysteresis.
- Reduced pressure in the 'P', 'A' or 'B' port.
- Pressure settings:
25, 70, 160, 210, 350 bar for PRDM2,
19, 50, 100, 150, 210 bar for PRDM3.
- Gauge port
- PRDM2 - NG06 (CETOP 03)
PRDM3 - NG10 (CETOP 05)



Example PP

**Schematics
PRDM*AA****PRDM*BB****PRDM*PP****Gauge port option C**

Ordering code

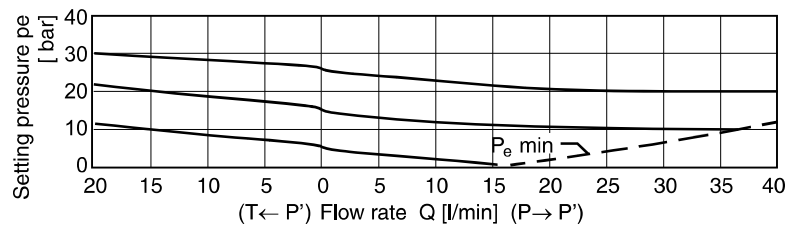
¹⁾ NG06 only.

Technical data

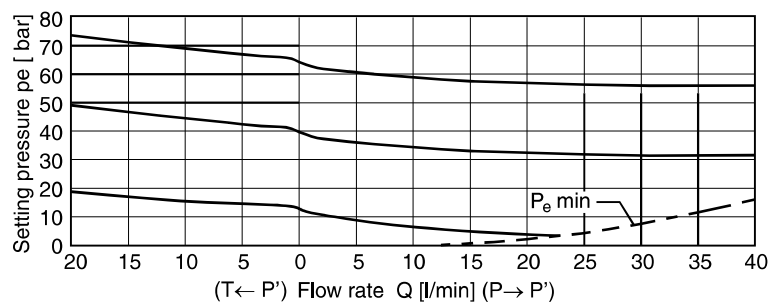
General							
Series		PRDM2		PRDM3			
Size		NG06		NG10			
Mounting interface		ISO 4401					
Ambient temperature		[°C] -20...+50					
Weight		[kg] 1.3		2.6			
MTTF _D value		[years] 150					
Hydraulic							
Max. operating pressure		P, A, B		350		315	
		T		[bar] 50		50	
Fluid		Hydraulic oil according to DIN 51524...51525					
Fluid temperature		[°C] -20...+80					
Viscosity range		[cSt] [mm²/s] 12...230					
Filtration		ISO 4406 (1999): 18/16/13					

Max. leakage P - A: max. 15 ml/min.

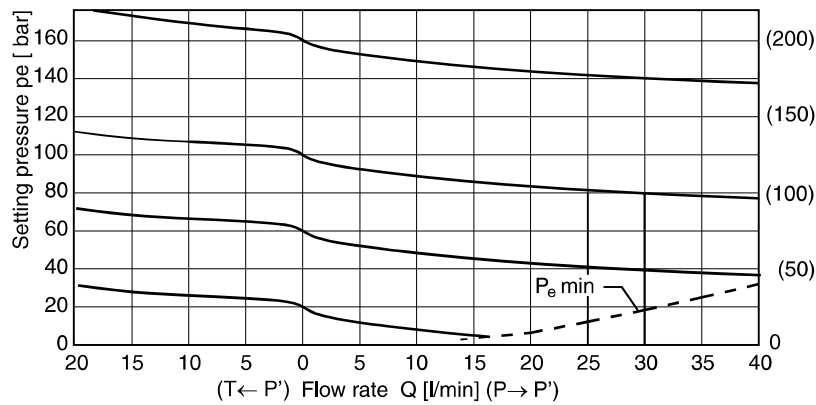
PRDM2 02



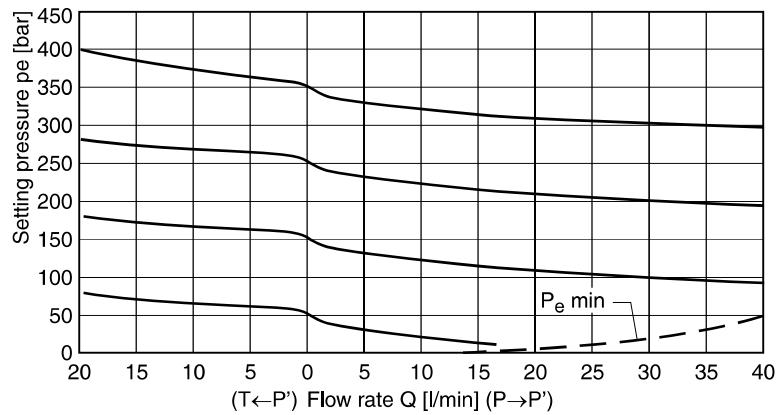
PRDM2 06



PRDM2 16/21

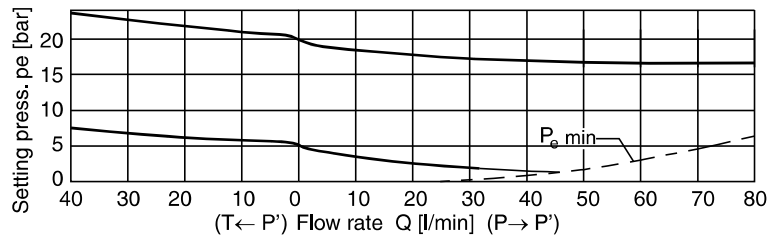


PRDM2 35

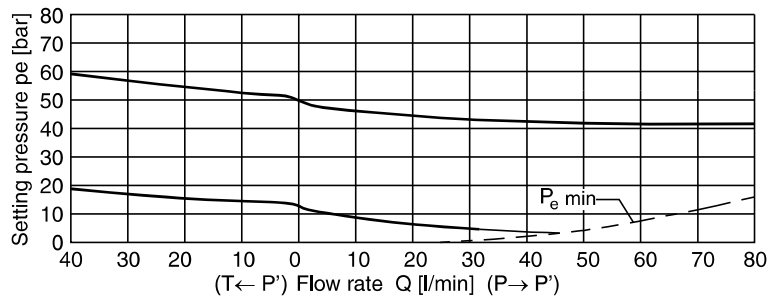


All characteristic curves measured with HLP46 at 50 °C.

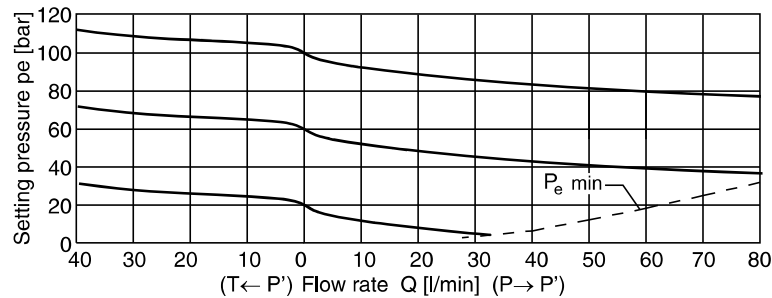
PRDM3 01



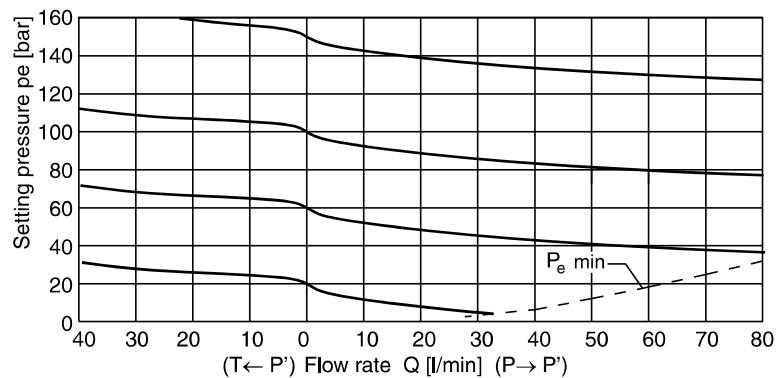
PRDM3 05



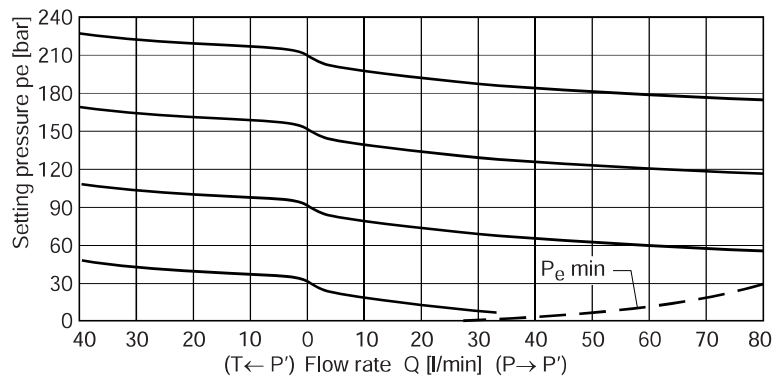
PRDM3 10



PRDM3 15



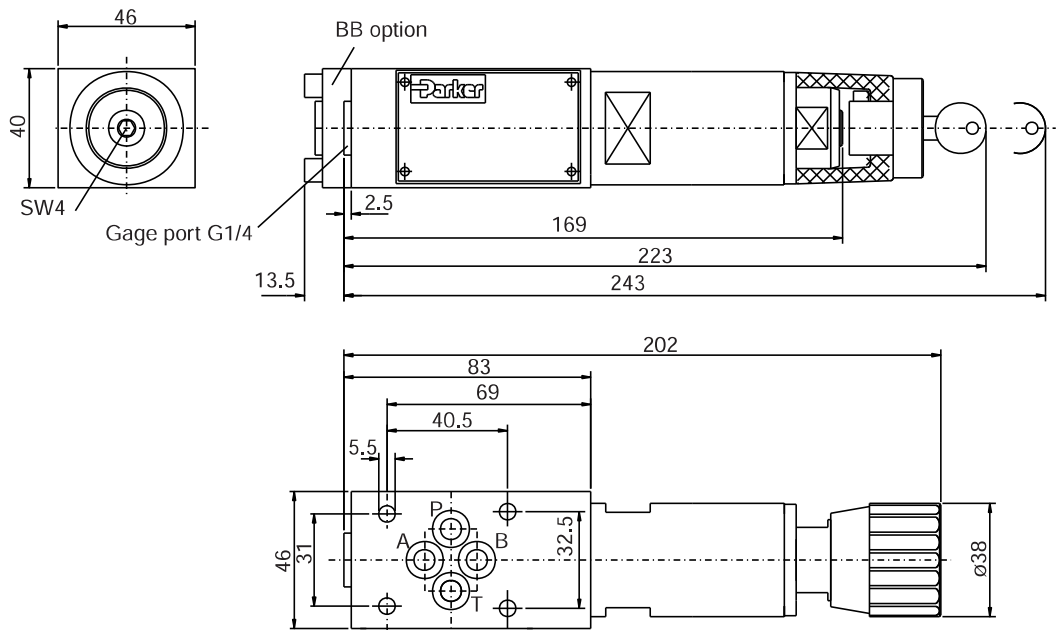
PRDM3 21



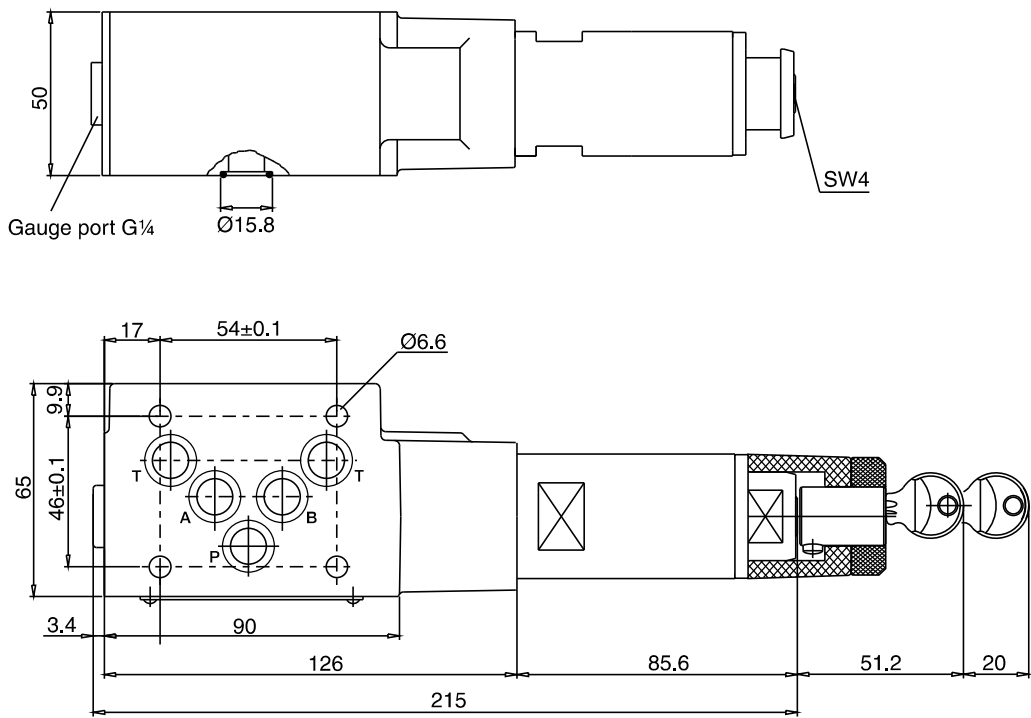
All characteristic curves measured with HLP46 at 50 °C.

PRDM UK.INDD CM 18.07.13

PRDM2



PRDM3



Seal kit order code		
Seal	PRDM2	PRDM3
V	SK-PRDM2-V	SK-PRDM3-V

