

## Characteristics

Pressure relief valves series RDM are direct operated piston type valves with low hysteresis. They can be used as P-T relief or as T-T controlled counter balance valve. The valve body is equipped with a pressure gauge port.

### Function

PT... pressure is relieved from P to T at the adjusted value.

TT... pressure is relieved from T' to T at the adjusted pressure.

### Features

- The direct operated, cushioned piston design results in fast response, low leakage and minimal hysteresis.
- Up to 5 pressure adjustment ranges are available with max. pressure settings of:  
bar 25, 64, 160, 210, 350 for RDM2,  
bar 19, 50, 100, 150, 210 for RDM3.
- Adjustment modes:
  - Slotted head with lock nut
  - DIN lock
  - Turning knob
- RDM2 - NG06 (CETOP3)
- RDM3 - NG10 (CETOP5)

### Technical data

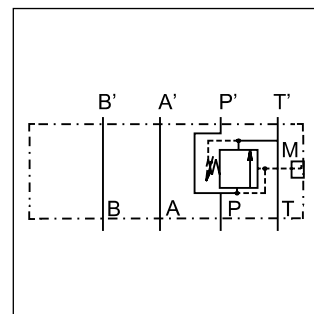
| Series                  |                           | RDM2                     | RDM3 |
|-------------------------|---------------------------|--------------------------|------|
| Port size               |                           | NG06                     | NG10 |
| Mounting pattern        |                           | ISO 4401                 |      |
| Max. operating pressure |                           |                          |      |
| P, A, B                 | [bar]                     | 350                      | 315  |
| T                       | [bar]                     | 50                       | 10   |
| Max. flow               | [l/min]                   | 40                       | 80   |
| Weight                  | [kg]                      | 1.3                      | 2.6  |
| Viscosity range         | [cSt][mm <sup>2</sup> /s] | 12...230                 |      |
| Filtration              |                           | ISO 4406: 1999; 18/16/13 |      |

Max. leakage P - A: 5ml/min.

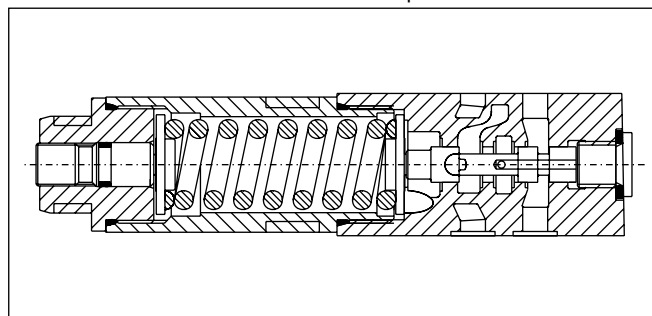
## Direct Operated Pressure Relief Valve Series RDM



RDM2



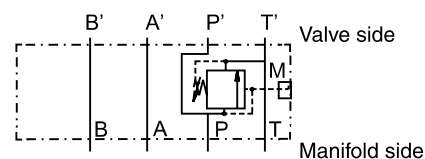
Example PT



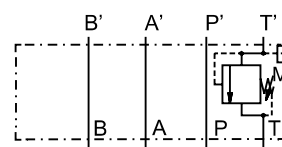
RDM2

### Schematics

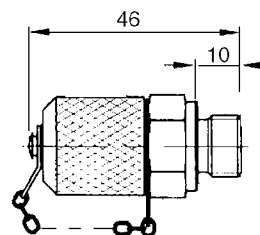
#### RDM\*PT



#### RDM\*TT

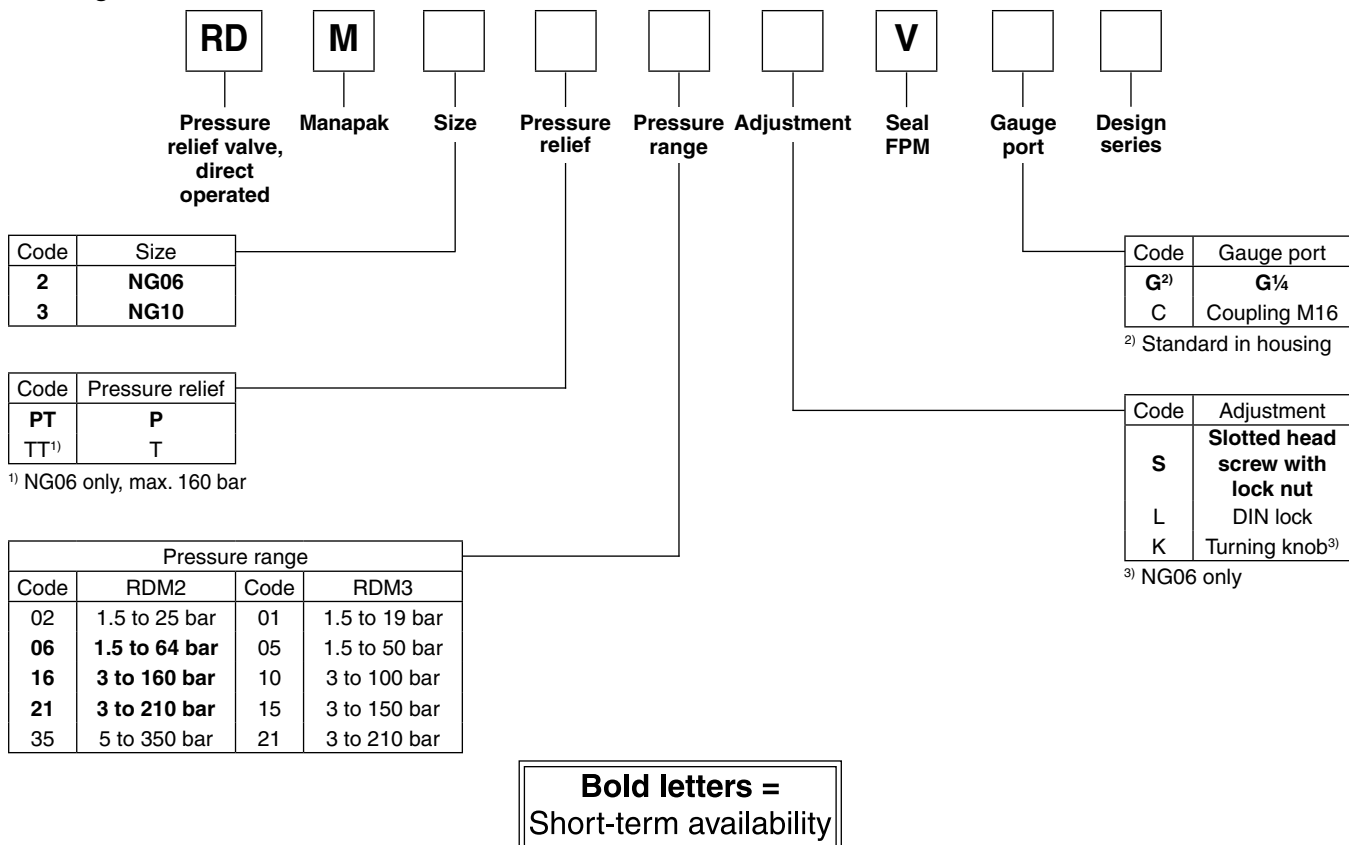


### Gauge port option C (EMA3R1/4EDA3C)



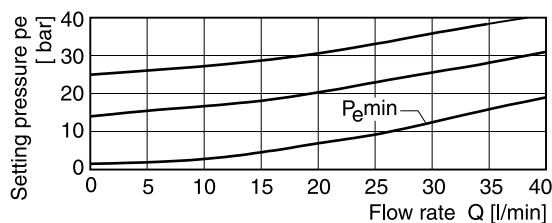
## Ordering Code / Performance Curves

## Ordering code

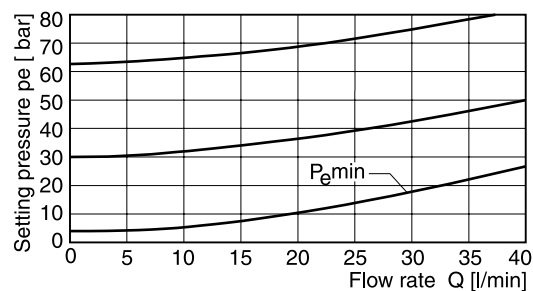


## Performance curves

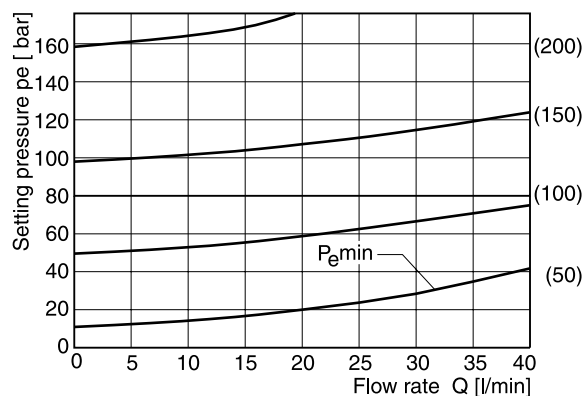
## RDM2 02



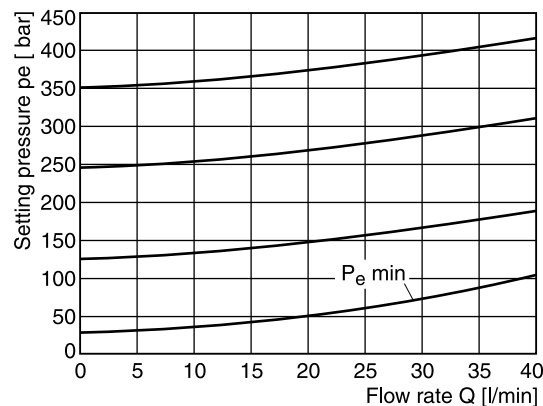
## RDM2 06



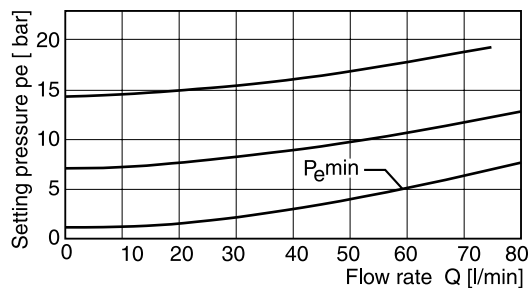
## RDM2 16/21



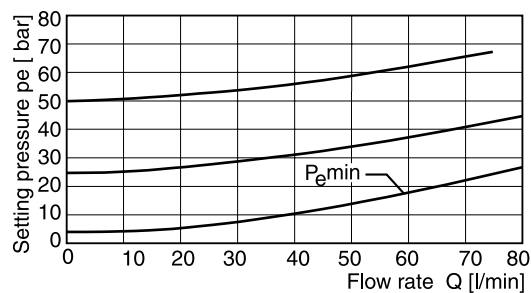
## RDM2 35



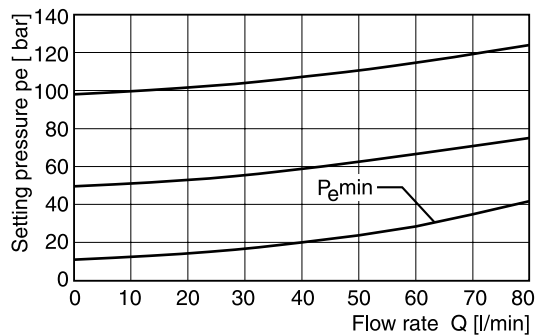
**RDM3 01**



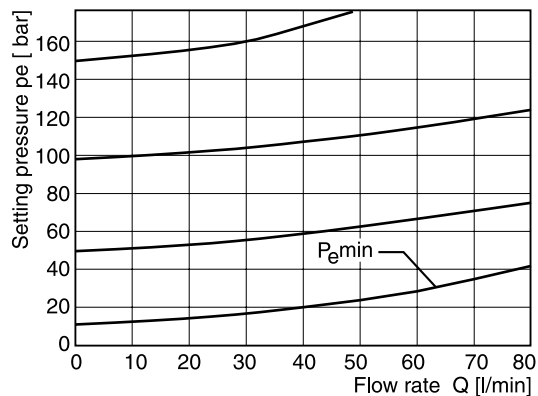
**RDM3 05**



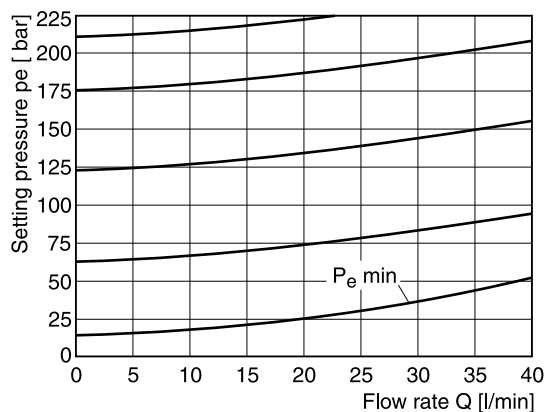
**RDM3 10**

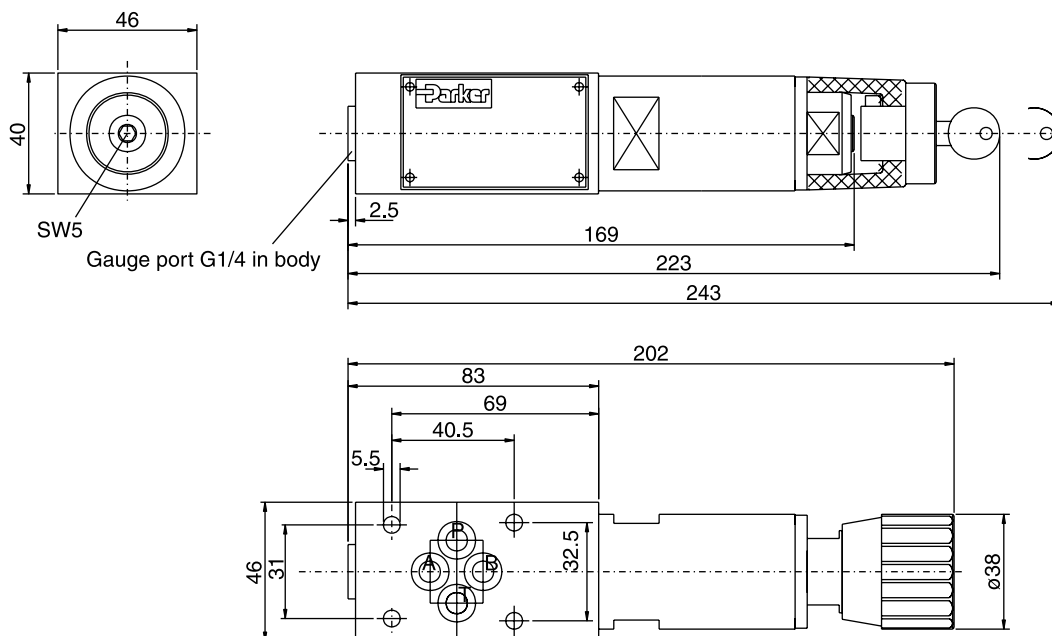
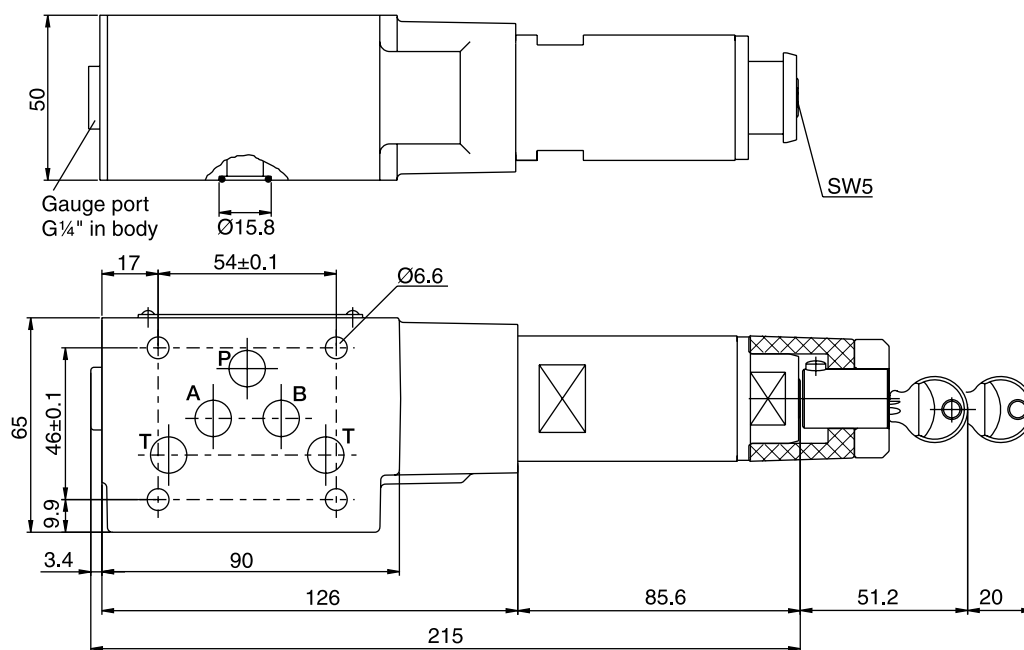


**RDM3 15**



**RDM3 21**



**RDM2****7****RDM3**

| Seal kit order code |           |           |
|---------------------|-----------|-----------|
| Seal                | RDM2      | RDM3      |
| V                   | SK-RDM2-V | SK-RDM3-V |

