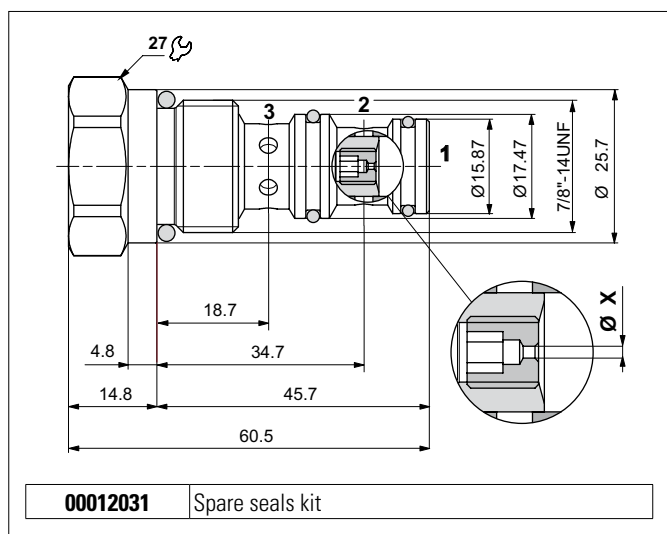


## PRIORITY FLOW CONTROL VALVE



The priority flow control valve sends a constant flow from branch 1, first to priority branch 3 and then the remaining flow to overflow branch 2, regardless of the downstream oil pressure.

Both branches 2 and 3 can be pressurised.

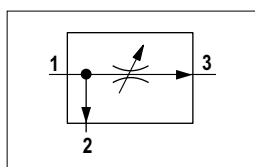
The flow is reduced by the control hole X which determines the flow rate.

It has a galvanised steel body. The compensator plunger is in tempered and ground steel.

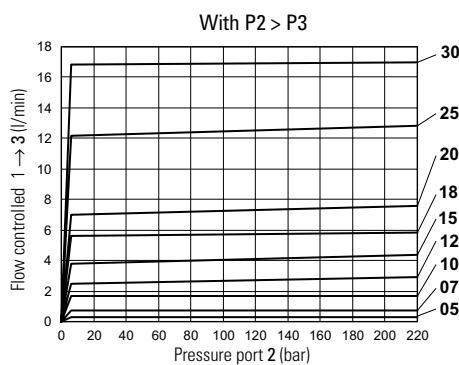
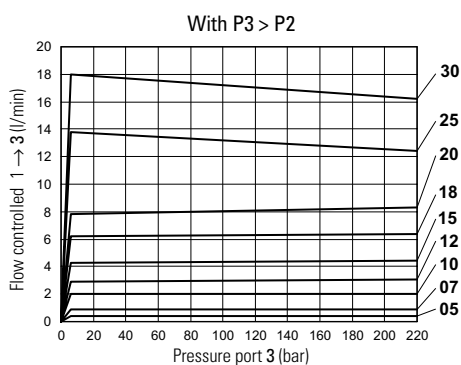
### HYDRAULIC FEATURES

Max. opening pressure	210 bar
$\Delta P$ of regulation	6.1 ÷ 6.7 bar
Input max. Flow	50 l/min
Control max. Flow	17 l/min
Hydraulic fluid	DIN 51524 Mineral oils
Fluid viscosity	10 ÷ 500 mm <sup>2</sup> /s
Fluid temperature	-25°C ÷ 75°C
Ambient temperature	-25°C ÷ 60°C
Max. contamin. level class with filter	ISO 4406:1999 - class 19/17/14
Weight	0.2 kg
Tightening torque	30 ÷ 40 Nm
Cavity (7/8 - 14 UNF)	CD019006 (See section 15)

### HYDRAULIC SYMBOL



### FLOW CONTROLLED



Fluid used: mineral based oil with viscosity 46 mm<sup>2</sup>/s at 40°C.  
The regulated flow rate depends on the inlet flow rate and the oil viscosity.

Table 1

Code	Ø X (mm) **	Nominal flow (l/min) *
05	0.5	0.3
07	0.7	0.7
10	1.0	1.7
12	1.2	2.5
15	1.5	4.0
18	1.8	5.6
20	2.0	7.0
25	2.5	12.2
30	3.0	17.0

\* Flow rate tolerance: ±15% up to 5 l/min, ±10% over 5 l/min

\*\* Tolerance on hole: ±0.02 mm

### ORDERING CODE

