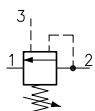


Technical features

LCS 20 valve are mainly used to charge accumulators or for pump unloading in high-low pressure circuits. They allow the automatic pump's by-pass as the circuit pressure reaches the setting value. The valve closes when this value drops at 88% and pump starts charging the accumulator. LCS 20 valve also act as pressure relieving on main circuit and always must be combined with logical elements:

- version ELP .. P1 (high-low pressure)
- version ELP 30/D3-1.23 (accumulators)



Calculation of Pr value

$$Pr = \frac{P \cdot d}{100}$$

Where:

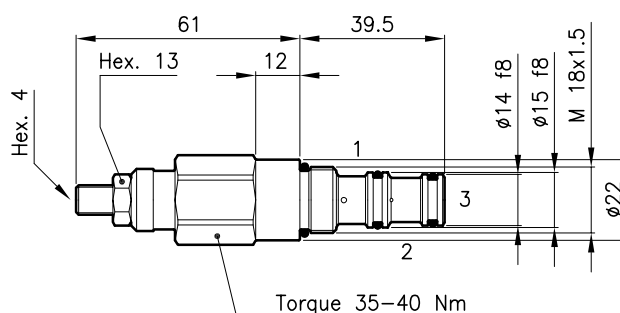
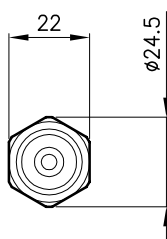
Pr = Reseat pressure (bar)

P = Setting pressure (bar)

d = Differential area

Cavity	(For dimensions see catalogue 17.000)	S 20/3
Max. flow	(l/min.)	1.5
Max. pressure	(bar)	350
Adjustment range	(bar)	10 – 315
Differential area (d)	%	88 ± 1.5%
Fluid viscosity range	(cSt)	2.8 – 380
Fluid temperature range	(°C)	–20 +80
Mass	(kg)	0.160
Standard setting obtained with 1 l/min.		
Hydraulic flow; mineral oil HM and HV ISO 6074		
Recommended filtration; 19/15 ISO 4466 (25 μ absolutes)		
Standard seals in Polyurethane and Buna N		

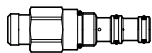
Dimensions



Ordering informations

LCS 20/D-N

LCS 20 = Valve type



Standard springs

Type Setting range Factory set

D = 10 – 210 bar 140 bar

Q = 70 – 315 bar 210 bar

Adjustment type

N = Standard adjustment



Codes:

LCS 20/D-N 21 011 268

LCS 20/Q-N 21 011 269

External seals kit 90 620 101

LCS 20 valves can be assembled on standard bodies 20-C3 series; for dimensions see catalogue 16.010