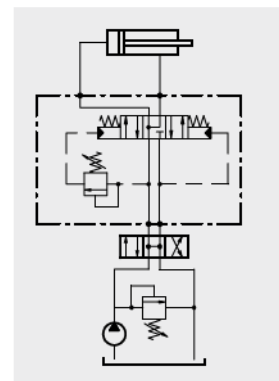


Operation

Feeding the valve from D2, in neutral position, the valve regenerates the return flow coming back from U1.

When you reach the pressure setting of the relief valve, the valve cancel the regenerative function while it stays open at low pressure with an energy saving.

Feeding from D1 the cylinder is going back.

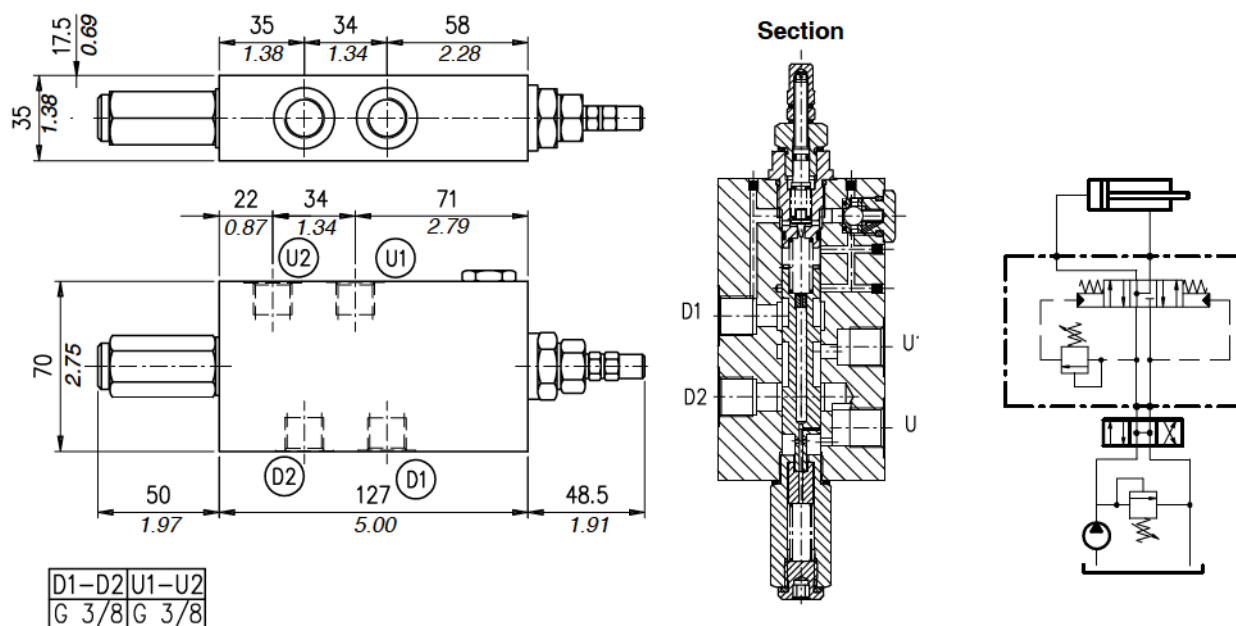


Performance

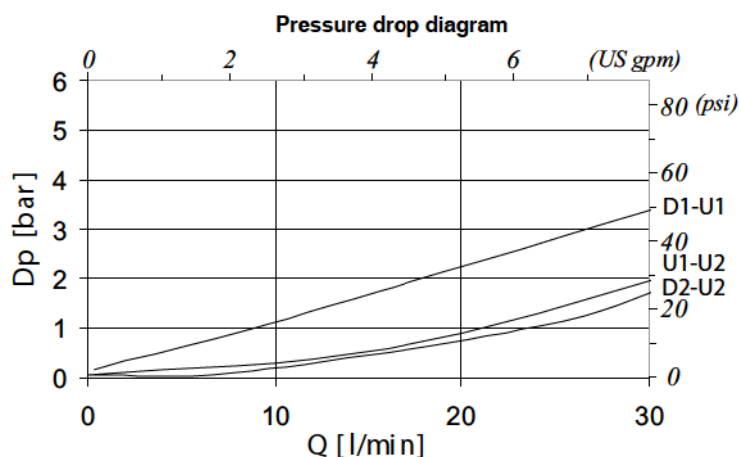
Body valves

Type	Maximum flow		Maximum pressure		Application range with standard springs	weight	
	l/min	US gpm	bar	psi		kg	lb
VRCL/KD 38	30	8	350 steel body	5100 steel body	5÷80 bar - 72.5÷1150 psi (test setting 30 bar - 435 psi at 10 l/min. - 2.64 US gpm)	2,2	4.85
VRCL/KD 12	50	13	350 steel body	5100 steel body	50÷220 bar - 725÷3200 psi (test setting 100 bar - 1450 psi at 10 l/min. - 2.64 US gpm)	steel	
					180÷350 bar - 2600÷5100 psi (test setting 200 bar - 2900 psi at 10 l/min. - 2.64 US gpm)	2,3	5.07
VRCL/KD 34	90	24	350 cast iron body	5100 cast iron body	5÷50 bar - 72.5÷725 psi (test setting 25 bar - 360 psi at 10 l/min. - 2.64 US gpm)	5,5	12.12
					50÷220 bar - 725÷3200 psi (test setting 100 bar - 1450 psi at 10 l/min. - 2.64 US gpm)	cast iron	
VRCL/KD 100	150	40	350 cast iron body	5100 cast iron body	100÷350 bar - 1450÷5100 psi (test setting 200 bar - 2900 psi at 10 l/min. - 2.64 US gpm)		
					5÷50 bar - 72.5÷725 psi (test setting 25 bar - 360 psi at 10 l/min. - 2.64 US gpm)	10,0	22.05
VRCL/KD 100	150	40	350 cast iron body	5100 cast iron body	20÷220 bar - 290÷3200 psi (test setting 100 bar - 1450 psi at 10 l/min. - 2.64 US gpm)		
					180÷350 bar - 2600÷5100 psi (test setting 200 bar - 2900 psi at 10 l/min. - 2.64 US gpm)	cast iron	

Dimensions and hydraulic circuit



Rating diagrams



Order code

VRCL/KD 38 / □□ . □ / ac

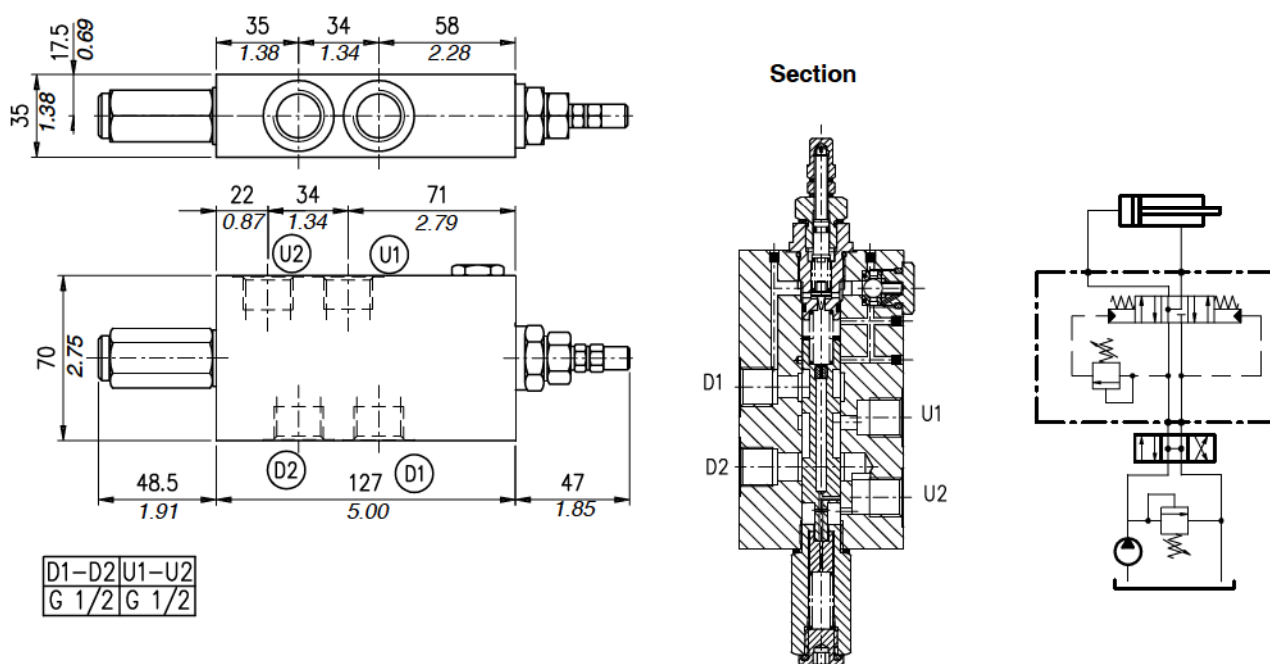
Pressure settings

TB) 5÷80 bar (72.5÷1150 psi)
TS) 50÷220 bar (725÷3200 psi)
TR) 180÷350 bar (2600÷5100 psi)

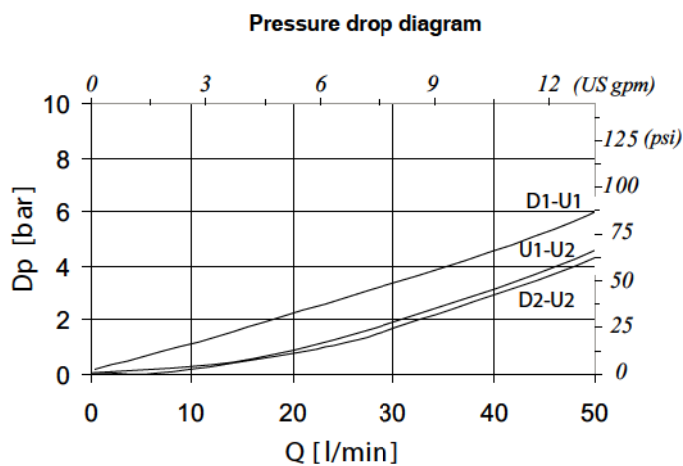
Adjustment (See page 80)

S (screw)
V (handknob)
W (copped adjustment)

Dimensions and hydraulic circuit



Rating diagrams



Order code

VRCL/KD 12 / □□ . □ / ac

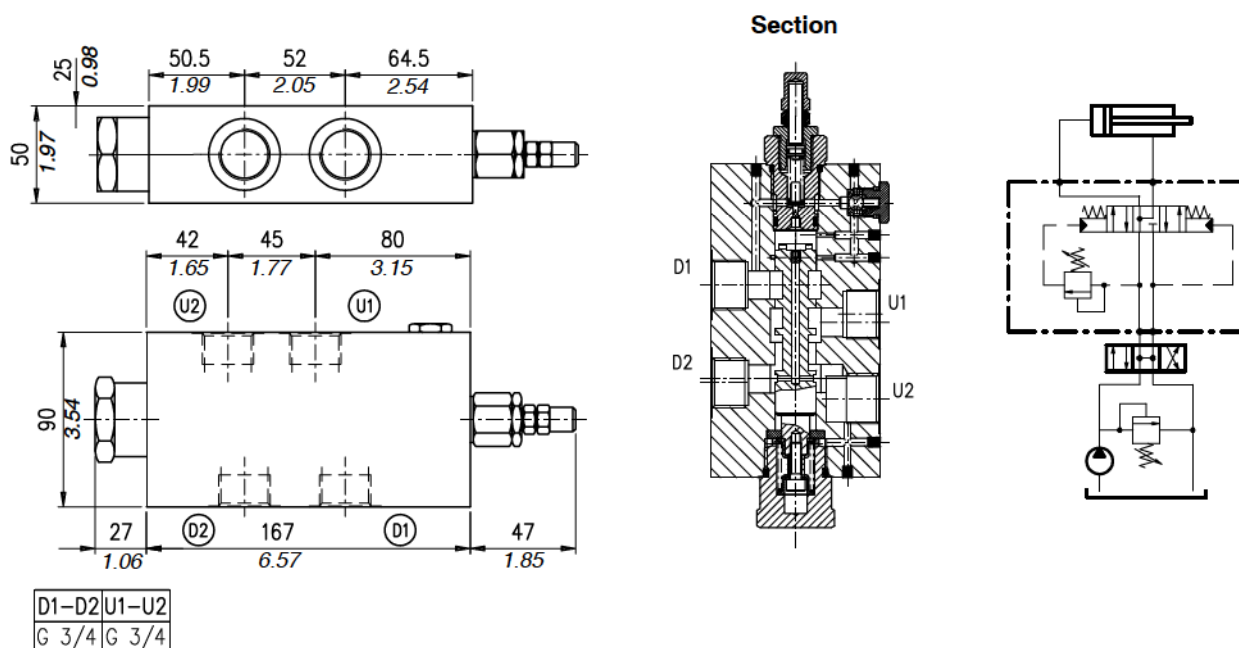
Pressure settings

TB) 5÷80 bar (72.5÷1150 psi)
TS) 50÷220 bar (725÷3200 psi)
TR) 180÷350 bar (2600÷5100 psi)

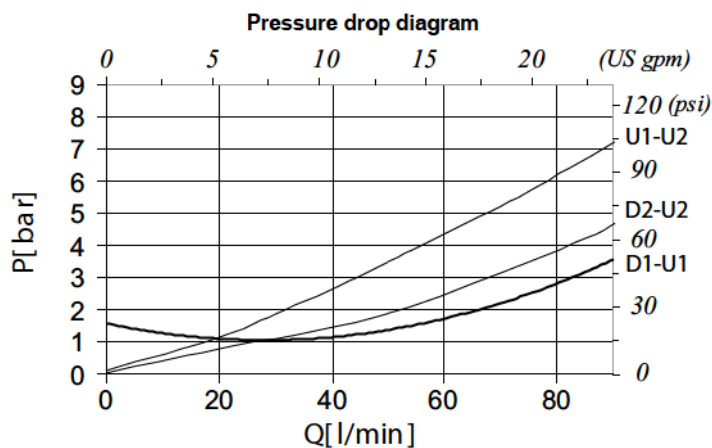
Adjustment
(See page 80)

S (screw)
V (handknob)
W (copped adjustment)

Dimensions and hydraulic circuit



Rating diagrams



Order code

VRCL/KD 34 / □□ . □ / ac

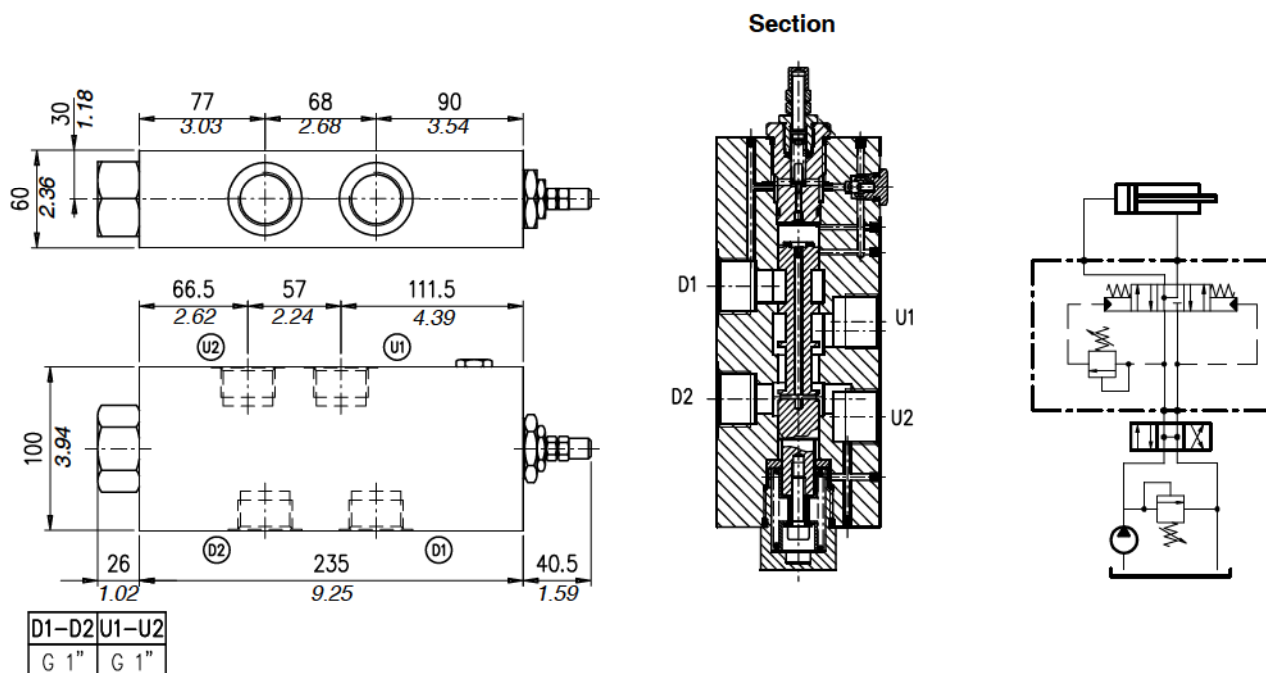
Pressure settings

TV) 5÷50 bar (72.5÷725 psi)
 TS) 20÷220 bar (290÷3200 psi)
 TR) 180÷350 bar (2600÷5100 psi)

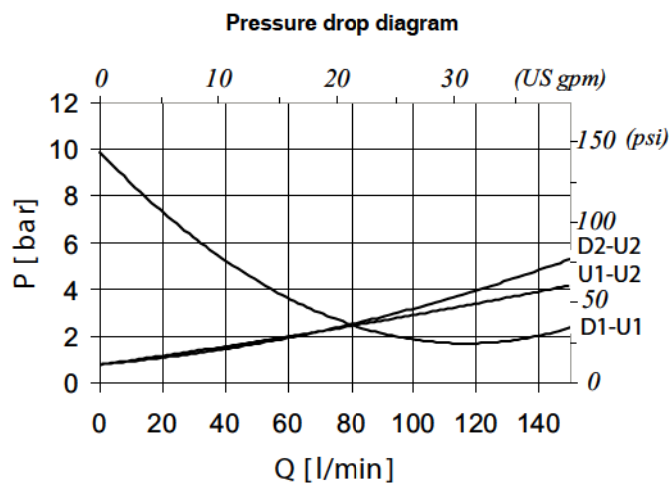
Adjustment (See page 80)

S (screw)
 V (handknob)
 W (copped adjustment)

Dimensions and hydraulic circuit



Rating diagrams



Order code

VRCL/KD 100 / □□ . □ / ac

Pressure settings

TV) 5÷50 bar (72.5÷725 psi)
 TS) 20÷220 bar (290÷3200 psi)
 TR) 180÷350 bar (2600÷5100 psi)

Adjustment
(See page 80)

S (screw)
 V (handknob)
 W (copped adjustment)