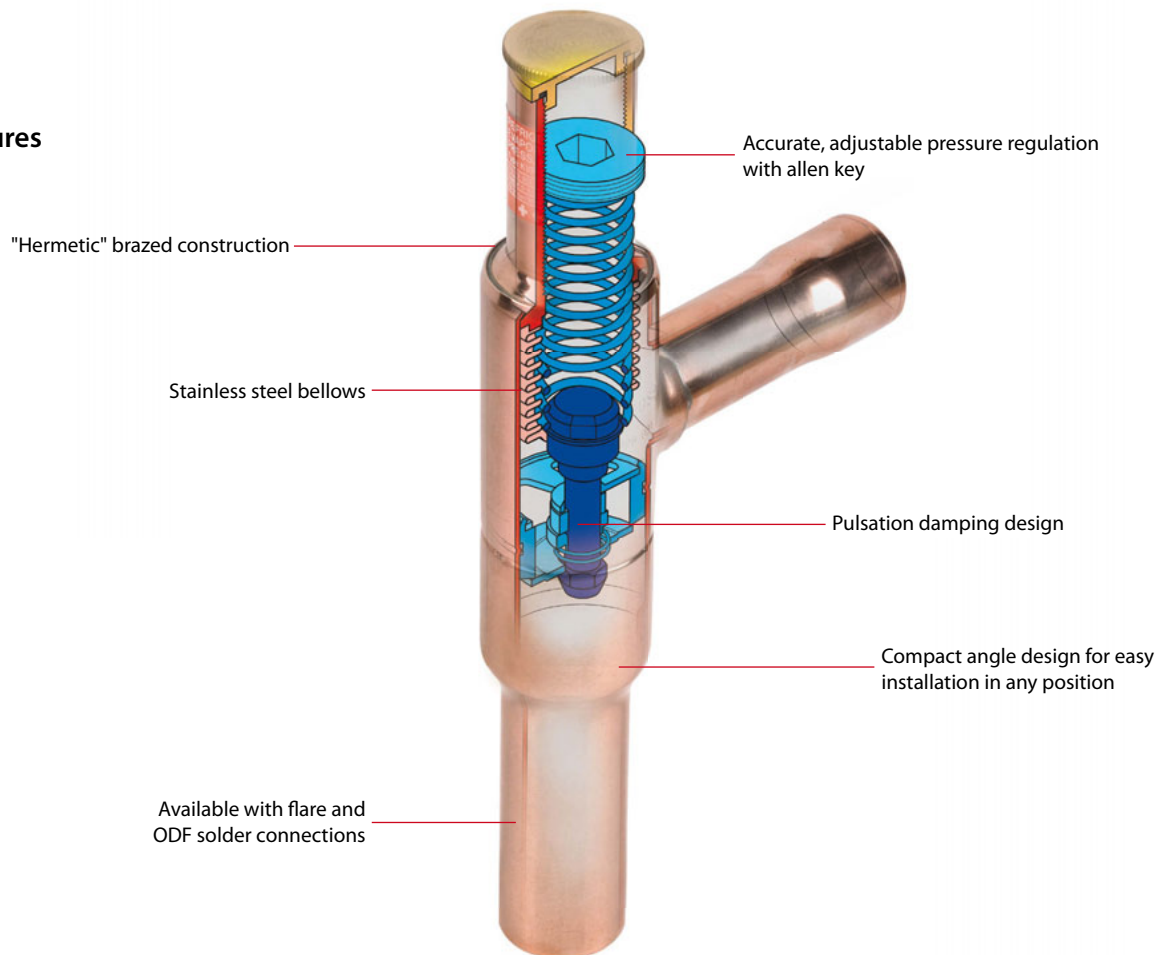




KVL – Crankcase pressure regulators

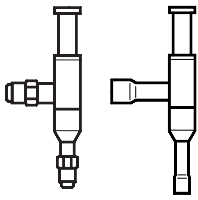
Crankcase pressure regulator type KVL is fitted into the suction line ahead of the compressor. The KVL protects the compressor motor against overload during start-up after long standstill periods or after defrost periods (high pressure in evaporator).

Features



Applications	Advantages	Facts
<ul style="list-style-type: none"> · Traditional refrigeration · Air conditioning units · Transport refrigeration 	<ul style="list-style-type: none"> · Unaffected by ambient pressure variations · Bellows welded to the body for long lifetime · Accurate, adjustable pressure regulation · Easy adjustment before start up · Protects the compressor against electrical motor overloading 	<ul style="list-style-type: none"> · Wide capacity and operating range · Regulation range: 0.2 to 6 bar · For use with HCFC and HFC refrigerants · Maximum working pressure PS = 18 bar

Technical data and ordering



Crankcase pressure regulator

Type	Rated capacity in kW ¹⁾				Flare connection ^{2) 3)}		Code no.	Solder, ODF connection ³⁾		Code no.
	R22	R134a	R404A/R507	R407C	in.	mm		in.	mm	
KVL 12	7.1	5.3	6.3	6.4	1/2	12	034L0041	1/2	12	034L0043
					-	-		-		
KVL 15	7.1	5.3	6.3	6.5	5/8	16	034L0042	5/8	16	034L0049
KVL 22	7.1	5.3	6.3	6.5	-	-	-	7/8	22	034L0045
KVL 28	17.8	13.2	15.9	16.4	-	-	-	1 1/8	-	034L0046
					-	-		-	28	
KVL 35	17.8	13.2	15.9	16.4	-	-	-	1 3/8	35	034L0052

¹⁾ Rated capacity is the capacity of the regulator at
 - Evaporating temperature $t_e = -10\text{ }^\circ\text{C}$,
 - Condensing temperature $t_c = +25\text{ }^\circ\text{C}$
 - Pressure drop in regulator $\Delta p = 0.2\text{ bar}$

²⁾ Supplied without flare nuts. Separate flare nuts can be supplied:
 1/2 in./12 mm, code no. **011L1103**, 5/8 in./16 mm, code no. **011L1167**.

³⁾ The connection dimensions chosen must not be too small, since gas velocities in excess of 40 m/s at the inlet of the regulator can give flow noise.

