

D050 - D051 - D052 D053 - D054

Separators with threaded connections and flush diaphragms are designed to measure relative pressures in the range 1 to 600 bar. They are particularly suitable for corrosive, heavily loaded or viscous fluids which might damage or clog the process connection of the measuring instrument.

These separators may be used where space is limited or for quick assembly.

If the measuring instrument is damaged, the separator diaphragm will prevent the system leaking.

- All stainless steel flush diaphragm separator
- Small size



Technical specifications (20°C)

Compatibility table with pressure gauges

Pressure gauges	Ø 50-63 mm			Ø 80-100-150-160 mm		
	-20° ≤ T ≤ 100° -10° ≤ T ≤ 50°	-40° ≤ T ≤ 150° -30° ≤ T ≤ 70°	-60° ≤ T ≤ 200° -40° ≤ T ≤ 80°	-20° ≤ T ≤ 100° -10° ≤ T ≤ 50°	-40° ≤ T ≤ 150° -30° ≤ T ≤ 70°	-60° ≤ T ≤ 200° -40° ≤ T ≤ 80°
D050 (1/2") P Max 600 bar	MR ≥ 0 +100 bar	MR ≥ 0 +160 bar	MR ≥ 0 +160 bar	MR ≥ 0 +250 bar	MR ≥ 0 +400 bar	-
D051 (3/4") P Max 600 bar	MR ≥ 0 +40 bar	MR ≥ 0 +60 bar	MR ≥ 0 +60 bar	MR ≥ 0 +100 bar	MR ≥ 0 +100 bar	MR ≥ 0 +160 bar
D052 (1") P Max 250 bar	MR ≥ 0 +10 bar	MR ≥ 0 +16 bar	MR ≥ 0 +25 bar	MR ≥ 0 +25 bar	MR ≥ 0 +40 bar	MR ≥ 0 +40 bar
D053 (1 1/2") P Max 160 bar	MR ≥ 0 +1.6 bar MR ≥ -1 +3 bar	MR ≥ 0 +2.5 bar MR ≥ -1 +3 bar	MR ≥ 0 +2.5 bar MR ≥ -1 +3 bar	MR ≥ 0 +4 bar MR ≥ -1 +5 bar	MR ≥ 0 +4 bar MR ≥ -1 +5 bar	MR ≥ 0 +6 bar MR ≥ -1 +9 bar
D054 (2") P Max 40 bar	MR ≥ 0 +1 bar MR ≥ -1 +0 bar	MR ≥ 0 +1 bar MR ≥ -1 +0 bar	MR ≥ 0 +1 bar MR ≥ -1 +0 bar	MR ≥ 0 +1 bar MR ≥ -1 +0 bar	MR ≥ 0 +1 bar MR ≥ -1 +0 bar	MR ≥ 0 +1.6 bar MR ≥ -1 +1.5 bar

NB: the maximum pressure (Max P) depends on a good seal: a gasket must be fitted in a suitable seating (gasket not supplied)

Material:

Connector: 1.4404 (316L)

Diaphragm: 1.4404 (316L)

Fluid temperature (°C)	Liquid filling
-20 °C à +150°C	LRS1
-60 °C à +150°C	LRS2
-20 °C à +200°C	LRS3

