

Selection table OM5 (select one item of each group)

1. Base units (supplied without adapter and coil)

Type	Part No.	Max. Allowable Pressure PS	Time Delay Alarm
OM5-020	805230	130 bar	20 Sec
OM5-120	805231		120 Sec



2. Adapter

OM0-CUA CO2	805337	Flange Adapter 3- / 4-Hole
OM0-CCC CO2	805341	Flange Adapter 3-Hole
OM0-CUD CO2	805049	Flange Adapter 6- / 6-Hole
OM0-CBB CO2	805338	Screw Adapter 1-1/8"-18 UNEF
OM0-CCA CO2	805339	Screw Adapter 3/4"-14 NPTF
OM0-CCB CO2	805340	Screw Adapter 1-1/8"-12 UNF
OM0-CCD CO2	805342	Rotalock Adapter 1-3/4"-12UNF
OM0-CCE CO2	805343	Rotalock Adapter 1-1/4"-12UNF

3. Cables alarm relay

OM3-N30	805141	Connection to Relay 3 m
OM3-N60	805142	Connection to Relay 6 m
OM3-N100	805146	Connection to Relay 10 m

4. Solenoid coil

Supply Voltage 24V		
Type	Part No.	Description
ESC-W24VAC	801028	50 Hz, 38 VA

4. Solenoid coil

Supply Voltage 230V		
Type	Part No.	Description
ESC-W230VAC	801029	50 Hz, 38 VA

5. Cable assembly power supply and solenoid

OM3-P30	805151	24V, 3.0 m
OM3-P60	805152	24V, 6.0 m
OM3-P100	805153	24V, 10.0 m

5. Cable assembly with 230V module

OM-230V-30	805166	230V, 3.0 m
OM-230V-60	805167	230V, 6.0 m
OM-230V-100	805168	230V, 10.0 m

Accessories and spare parts

Type	Part No.	Description
ECT-623	804421	Transformer 230 VAC / 24 VAC, 60 VA (Supply of 3 pieces base unit)
ESC-K01	801080	Retainer kit ESC including O-Rings
ODP-33A	800366	Differential oil check valve 3.5 bar, PS: 46 bar (Inlet 5/8"-UNF female, Outlet 5/8"- UNF male)
OM3-K01	805036	Repair kit OM3/OM4 (Consists of sight glass with O-Ring and screws, oil adapter with strainer, O-Ring back side)
OM5-K01	805067	Repair kit OM5 for CO ₂ (Consists of sight glass with O-Ring and screws, Oil adapter with strainer, O-Ring back side)
OM-HFC-K01	805081	Sealing kit OM3/OM4 (Consists of all O-Rings for OM3/OM4 and for all types of adapters)
OM-HFC-K02	805083	Enclosing tube for OM3/OM4 (Including O-Ring), only for replacement of new version with hexagonal nut!
OM-CO2-K01	805079	Sealing kit CO ₂ for OM5 (Consists of all O-Rings for OM5 and for all types of adapters)
OM-CO2-K02	805082	Enclosing tube for OM5 (Including O-Ring), only for replacement of new version with hexagonal nut!

Technical data

Markings	 Under: - Low Voltage Directive - EMC Directive   LISTED for OM3 & OM4 
Max. Allowable Pressure PS	OM3: 46 bar OM4: 60 bar OM5: HP Side (Inlet): 130 bar LP Side (Outlet): 100 bar
Max. Test Pressure PT	OM3: 51 bar OM4: 66 bar OM5: 143 bar
Supply Voltage / Total Power	<ul style="list-style-type: none"> With ESC-24VAC Coil With ESC-230VAC Coil and OM-230V-x Module With ESC-W24VAC Coil
	OM3/OM4: Max. 24 VAC for A2L 24 VAC \pm 10%, 50 Hz, 17 VA 230 VAC \pm 10%, 50 Hz, 17 VA
	only OM5: 24VAC, 50 Hz, \pm 10%, 38 VA
Solenoid Valve MOPD	OM3/OM4: 30 bar OM5: 100 bar (50 Hz) See Fig. 1
Medium Temperature Ambient/Storage Temperature	-20...+80°C -20...+50°C
Medium Compatibility	OM3/OM4: A1: R134a, R404A, R407C, R450A, R452A, R448A, R449A, R507, R513A, R410A A2L: R32, R452B, R454B, R454A, R454C, R455A, R1234ze, R1234yf, Note: A2L only with oil: Emkarate RL-3MAF, R32 only with SP32 oil type OM4/OM5: R744

Flow Rate	OM3/OM4 at $\Delta P = 3$ bar: 340g/min. (22°C Oil Temperature, Oil type HM46) OM5: See Fig. 1
Orientation of Base Unit	horizontal, $\pm 1^\circ$
Level Control	40% to 60% of Sight Glass height
Alarm Contact	Max. 3 A, 230 VAC, (max. 24VAC for A2L) SPDT dry contact
Time Delay Alarm	20 Sec.: OM3/4/5-020, All OM3/4 Kits 120 Sec.: OM3/4/5-120
Time Delay Filling	10 Sec.
Protection Class	IP 65 with plug/cable assembly acc. EN 60529 test conditions
Oil Connection	7/16"-20 UNF Male, with Strainer and O-Ring (Replaceable, See Acc.)
Enclosing Tube	Replaceable for Cleaning, Hexagon Wrench Size 18, See Spare Parts

Fig. 1: OM5: performance related to supply voltage: flow rate and differential pressure between inlet and outlet (oil type Reniso C85E, oil temperature 54°C)

