




MLR/MLR60/90 Medium Pressure Receiver for CO₂ applications – 45/60/90 bar Operating Pressure

Medium Pressure Receivers for CO₂ Application Compact Housing for Operating Pressures up to 90 bar. MLR with additional connections for an external Standstill Cooling. 	Product Features: <ul style="list-style-type: none"> • Special Refrigerant Receiver for CO₂ • With all necessary connection incl. Flashgas By-pass • Connections suitable for brazing and welding • Connections designed for a safe and reliable operation • CE marked acc. PED 2014/68/EU • Powder Painted for excellent corrosion resistance • Combi connection for the safety valve, ½" NPT and 1-1/4 UNF
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Pressure Equipment Directive	2014/68/EU	Media Compatibility:	CO ₂ , Mineral-, Synthetic- POE- and PAG lubricants
Applied Standards	EN 378/-1/-2, EN 14276-1, EN 1593, EN 1779	Material	Housing: Steel Pressure Connection: Steel Ni plated
Pressure Range:	max. oper. Pressure PS: 45/60/90 bar Test Pressure: PT: 64,4/85,8/129 bar	Temperature Range	-10°C to 135°C

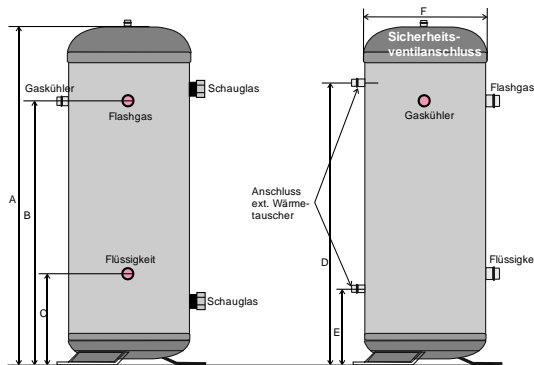
Types and Capacities (all Connections for brazing and welding)

Type	P/N	Volum e (ltr.)	Liquid Line	Entry from Gascooler	Outlet Flashgas	Safety Valve	Ext. Heat Exchanger In/out	Sight Glass	Gewicht (kg)
MLR-V30	18357	30	16mm	16mm	16mm	22mm	22mm	2	
MLR-V60	18351	60	22mm	22mm	22mm				
MLR-V80	18352	80	22mm	22mm	22mm				
MLR-V110	18350	110	35mm	28mm	28mm				
MLR-V150	18349	150	35 mm						
MLR-V180	18353	180	28mm						
MLR-V250	18354	250	35mm	35mm	35mm				
MLR-V300	18360	300	42mm	42mm	42mm		3		
MLR-V350	18355	350							
MLR-V400	18361	400							
MLR-V570	18362	570							

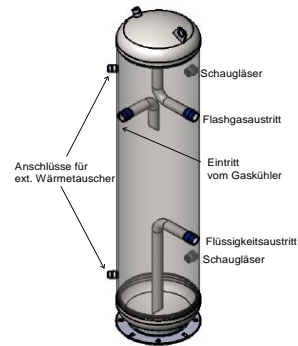
Dimensions MLR

Type	P/N	PED Cat.	Modul	A	B	C	D	E	F
MLR-V30	18357	III	B+C1	924	696	290	776	230	219
MLR-V60	18351			900	610	290	690		323
MLR-V80	18352	IV	B+D	1117	855	290	935		
MLR-V110	18350			1510	1110	500	1250		
MLR-V150	18349			1643	1000	500	1098	400	
MLR-V180	18353			1653	1270	500	1368		
MLR-V250	18354			1500	1086	420	1166	260	480
MLR-V300	18360			1859	1516		1526		
MLR-V350	18355	2000	1586	1666					
MLR-V400	18361	2439	2026	2106	320	640			
MLR-V570	18362	2021	1586	1646					

MLR60/90



MLR

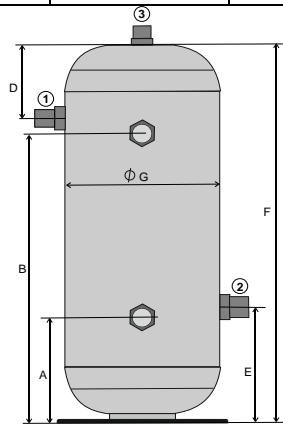


Technical Data MLR60/90

Type	P/N	Volume (l)	Inlet/Outlet (1)/(2), (mm ODF)	Sight Glass	Safety Valve (3)	PED Category
MLR60-6-12K	18900	6	12	1	½" NPT	II
MLR60-10-16K	18901	10	16			
MLR60-16-16K	18902	16		22		2
MLR60-20-22K	18903	20	28			
MLR60-30-22K	18904	30		35		
MLR60-40-28K	18905	40	35			IV
MLR60-40-28	18908	40		35		
MLR60-50-28K	18906	50	35			
MLR60-50-28	18909	50		35		
MLR60-80-35K	18907	80	35			1
MLR60-80-35	18910	80		2		
MLR90-6-12K	18950	6	12		1	½" NPT
MLR90-10-16K	18951	10	16			
MLR90-16-16K	18952	16		22	2	
MLR90-20-22K	18953	20	28			
MLR90-30-22K	18954	30		35		
MLR90-40-28K	18955	40	35		IV	
MLR90-40-28	18958	40		35		
MLR90-50-28K	18956	50	35			
MLR90-50-28	18959	50		35		
MLR90-80-35K	18957	80	35			
MLR90-80-35	18960	80		35		

Dimensions MLR60/90 (mm)

Type	A	B	D	E	F	G
MLR60-6-12K	140	./.	110	140	475	140
MLR60-10-16K	160	./.	130	160	550	168
MLR60-16-16K		310			870	168
MLR60-20-22K	180	460	150	180	630	219
MLR60-30-22K		740			905	219
MLR60-40-28K		345			555	324
MLR60-40-28					1210	219
MLR60-50-28K	220	495	195	220	710	324
MLR60-50-28					975	273
MLR60-80-35K		440			1110	324
MLR60-80-35					1545	273
MLR90-6-12K	150	./.	120	150	475	140
MLR90-10-16K		./.			550	168
MLRH90-16-16K		330			870	168
MLR90-20-22K	180	460	150	180	630	219
MLR90-30-22K		735			905	219
MLR90-40-28K		330			555	324
MLR90-40-28					1210	219
MLR90-50-28K	250	480	210	250	710	324
MLR90-50-28					975	273
MLR90-80-35K		470			1110	324
MLR90-80-35					1545	273

**Accessories: Level Sensors**

Type	COML P/N	COMH P/N	Supply Voltage	Signal	Max. oper. Pressure (bar)	Weight (g)	
						COML	COMH
COML/H-24	12057	12059	24 VAC	0,5A ind./1A ohmsch	COML: 60	465	535
COML/H-230	12058	12060	230 VAC		COMH: 120		

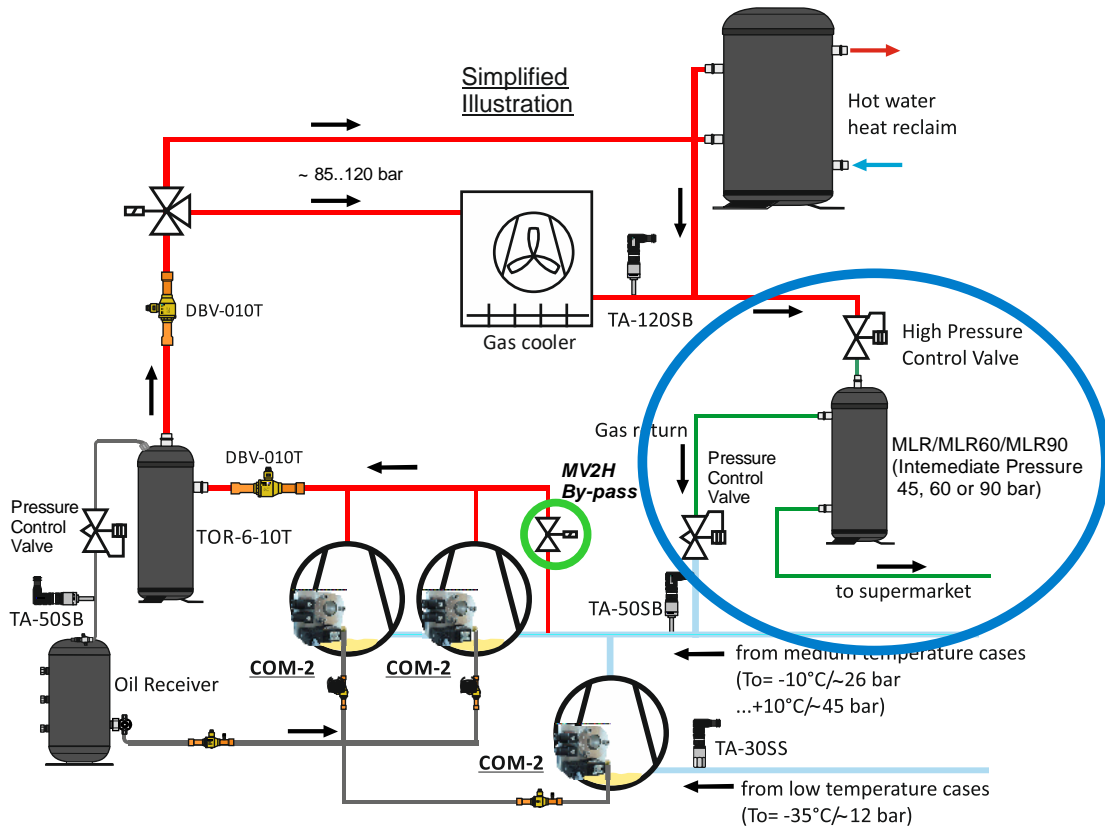
Minimal Required Liquid Density 0,5kg/l

Type Adapter	P/N	Connection	Weight (g)	Max. Oper. Pressure
COM-AD-012	12014	½" NPT	60	120 bar
COM-AD-114	12008	Rotalock 1-1/4"	105	
COM-AD-134	12007	Rotalock 1-3/4"	135	

Cables with Plug

Type	P/N	Supply Voltage	Length	Temperature range (static)	Application	Weight (g)
N300	12021	24 und	3,0 m	-40 ... +80°C	Supply Voltage	130
N600	12022	230 Vac	6,0 m			230
S300	12024	230 Vac	3,0 m		Relays	130
S600	12026		6.0 m			SPDT

Schematic CO2 Refrigeration Cycle with DEKA Components



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