



HIGH PRECISION
MACHINES

FILLING | SEALING

RapidCharge[®] MR & MR-F



High Production Charging Unit for Refrigerant

- Flammable and non-flammable Refrigerant
- Modular equipment for 1 or 2 gases
- Global support



RapidCharge® MR & MR-F



SPECIFICATIONS	RapidCharge® MR	RapidCharge® MR-F	RapidCharge® MR-F-HC
Gas type	Non-flammable R134a, R404A, R410A, R1234ze, other on request	Flammable : A2L, A2 R1234yf, R32, R454A, R152a, other on request	Flammable Hydrocarbon A3 R600a, R290, other on request
Charging capacity	20 - 99999 g		
Charging speed	up to 150 g/s		up to 100 g/s
Accuracy	20-100 g: ± 1 g ; > 100 g: ± 1 %		
Metering technology	Coriolis Mass Flow Meter		
Vacuum pump	16 m³/h double stage	16 m³/h Atex double stage	16 m³/h Atex double stage
End vacuum	0,02 mbar		
Charging gun	1 Charging adaptor per media		
Gas recovery	1 Recovery port		
Charging hose	3 m length, other on request		
Coupling	SAE J639 (R134a and R1234yf) – Nitto Kohki – Hansen - Other on request		
Display	Siemens 9" Touch screen		
Language support	English, French, Chinese, other on request		
Control	Siemens S7-1512		
Cycle selection	12 cycle selection on HMI		
Dimension (LxWxH mm)	1 gas: 1300 x 750 x 1900 – 2 gases: 1800 x 750 x 1900		
Noise level	<70dBA		
Protection Electrical cabinet	IP66		
Operation temperature	+10°C to +50°C	+10°C to +40°C	
Compressed air	5bar, dry air		
Refrigerant network supply	15 to 35 bar depending on gas type		
SAFETY FOR FLAMMABLE GAS			
Gas detection	-	Gas detection sensor with alarm	
Atex zone	-	Integrated ventilation	Extraction port
OPTIONS AND ACCESSORIES			
Ventilation			Central air extractor
Identification	Bar code scanner		
Traceability	Printer		
Charging gun	Additional adaptor for vacuuming		
Process	Nitrogen / dry air pressure test		
Refrigerant supply	Pumping unit for bottle supply Automatic bottles switch		
HMI	12" Touch screen		
Adaptor support	Arm + Spring balancer		
Safety	Additional gas sensor		
Interface / communication	Ethernet card for Cycle selection and Production history		

The information provided on this document is for information purposes only and does not constitute a legal obligation or a warranty, express or implied, of any kind.

CONTACT

rapidcharge-sales@fivesgroup.com
T +33 (0)2 40 32 06 06

Fives Filling & Sealing

Parc d'Activités de la Forêt – 17 rue de la Communauté – Le Bignon, 44140 – France
www.fivesgroup.com



fives

Industry can do it