



Equipment

- Using refrigerant fluids
 - Transfer and recovery equipment
 - Scales
 - Measuring and checking devices
 - Vacuum pumps
 - Manifolds
 - Hoses and connectors
 - Tools
 - Detecting leaks
- Application of refrigerants and heat transfer fluids
- Application of brazing alloys
- Application of insulation



Climalife

Recommendations



For refrigerants

Recovery / transfer

Scales

Measuring and checking

Evacuation

Manifolds

Portable leak detection

Fixed leak detection

System analyser

For oils

For heat transfer fluids

For brazing alloys

Commercial refrigeration - Industrial refrigeration - Air conditioning

Recovery unit Recover XLT

Electronic scale 50 kg or scale DRM 15010

Digital vacuum gauge

Infrared thermometer / contact thermometer DT 1630

Relief valve D 60

Super Evac Pump 95 or 142 l/min

Manifold Titan / Manifold DH Clim / Manifold Titan Solar

Leak detector DDH1 / Leak detector DDH2 / Leak detector HFC 92 / Leak detector XP 1

Environment control device MURCO MGD

Electronic analyser

Universal pump

KAPPA 15 diaphragm pump

Universal pump

Refractometer

Relief valve D 60

Portable torch blister pack

Equipment

Tools for professionals



Using refrigerant fluids



7237



7301



6817



7252



6810



6809

Transfer and recovery equipment

Ref.	Products	Dimensions mm	Weight	Comments
7237	Recovery unit Recover XLT	490 x 315 x 317	14,7 kg	Dry piston compressor protected by a constant pressure switch. Lightweight, suitable for all fluids, quiet and easy to use, with its 4 position switch. Stops automatically, governed by LP and HP pressure valve. Capacity (kg/hr) as per ARI 740-98* in gas form: 10.2; liquid form: 54; push-pull: 348.60. Certificate EN 35421.
* tests executed with R-22.				
7301	RD 2100	450 x 220 x 310	15 kg	Dry piston compressor. All gas and liquids. Compact casing protects manometers, valves and on-off switch. HP pressure switch. Capacity (kg/hr) as per ARI-740-98 in gas form: 15; liquid form: 95; push pull: 420. Certificate EN 35421.

Scales

Ref.	Products	Dimensions mm	Weight	Comments
6639	Electronic scale 50 kg (68827)	394 x 311 x 83	4,1 kg	Electronic scales. Maximum load 50kg, precise readings to within 0.1% or 0.015 kg.
6641	Charging kit for scale (68829)			For ref. 6639. Allows the charge in a fluid to be programmed automatically (includes solenoid valve, mains adaptor, case).
7252	Electronic scale DRM 15010 - 150 kg	380 x 320 x 64	2,7 kg	Electronic scales. Maximum load 150kg, precision 10g. Steel plate. Professional usage.

Measuring and checking devices

Ref.	Products	Comments
6817	LCG digital vacuum gauge (69080)	To control evacuation. From 1 bar to 0,025mbar. Automatic temperature compensation without calibration. Low battery indicator. Connection 1/4" FI, female.
6809	Micro infrared Thermometer (69225)	Small size. From -33°C to +220°C. Precise to +/- 2%. Optic ratio* 1.3:1.
6810	Infrared thermometer pistol (69228) *	Large working temperature range from -40°C to +500°C. Precise to +/- 2%, optic ratio* 10:1. Ergonomic. Supplied with protective case.
7069	Contact thermometer DT 1630 *	Ergonomic pocket thermometer from -55°C to +149°C. Audio alarm can be programmed to high or low temperature. Flexible cable with stainless steel probe.
* optic ratio: distance (m) / surface (m).		
5999	Relief valve D 30 - 30 bar	Neutral gas detector. Service pressure 30 bar to put V.R.V. type systems under nitrogen pressure.
6864	Relief valve D 60 - 60 bar	Controls the pressure content of the installation. Two-way pressure gauge. Type C entry connector. Brazing outlet connector for 6mm tube and double ring outlet connector.

Vacuum pumps

Ref.	Products	Dimensions mm	Weight	Comments
7251	Vacuum pump 2VP42 EV		11 kg	2 levels 42L/Min. All fluids, evacuates to < 25 microns (0,034mbar). Flare 1/4"M. Rib cooling, easily accessible for filling and emptying. With vacuum gauge.
6643	Super Evac pump 95 l/min (93543)	381 x 169 x 300	13,4 kg	2 levels 95 L/Min, M Flare inlet connector: 1/4"-1/2", inbuilt vacuum gauge, empties to: 15 microns (0,02mbar). One way valve, gas ballast.
6644	Super Evac pump 142 l/min (93563)	406 x 169 x 300	14,3 kg	2 levels 142 L/Min, M Flare inlet connector: 1/4"-1/2", inbuilt vacuum gauge, empties to: 15 microns (0,02mbar). One way valve, gas ballast.
6654	Oil for vacuum pump (93092)			0.95 litre can. For Super Evac Pump. ISO Grade 32.
7256	Oil for vacuum pump VPO 100			1 litre can. For 2 VP vacuum pump.



6644

System analyser

Ref.	Products	Weight	Comments
7558	Electronic analyser 4 valves	1,4 kg	91 refrigerants in memory. By-pass, LCD screen, precise to 1%. Supplied software, free update download on the internet. Delivered in a carrying case with a pack of 3 hoses, 2 probes, one vacuum gauge and one USB cable.

7147



Manifolds

Ref.	Products	Dimensions mm	Comments
	Manifold Titan		By pass, HP/LP (bar) manometer. Aluminium body, lightweight and robust, piston valves. Liquid indicator. Precise to 1%.
	Manifold Titan Solaire		By pass, HP/LP (bar) solar manometers. 8 refrigerants, digital preview of the selected refrigerant, pressure and temperature. Aluminium body, lightweight and robust, piston valves. Liquid indicator. Precise to 1%.
	Manifold DH Clim		By pass, HP/LP (bar) manometer. Aluminium body, lightweight, piston valves. Liquid indicator.

Manifolds (sold separately)	2 valves	4 valves	R-22	R-134a	R-404A	R-407C	R-410A	R-422D	R-427A	R-507
6826 Manifold DH Clim	X		X	X		X	X			
7143 Manifold DH Clim		X	X	X		X	X			
7062 Manifold Titan HFC (49936)		X		X	X	X				
7063 Manifold Titan / R-410A (49869)	X						X			
7064 Manifold Titan R-22 / R-134a / R-404A (49833)	X		X	X	X					
7406 Manifold Titan Solar	X		X	X	X	X	X	X	X	X

7151	Empty manifold case	475 x 390 x 130		Transport case for manifold. Black, double foam interior.
7147	Manifold case DH Clim 2 valves	475 x 390 x 130		Includes one DH Clim 2 valve manifold, one pack of three DH Clim 1/4" hoses and one pack of three DH Clim R-410A hoses 150 cm with valves.

Electronic analyser

Essential tool to realize a precise diagnosis of the installation: pressure, vacuum level, temperature, 91 integrated curves of pressure/temperature relationship. Automatic calibration, allows recording of measurements either continuously or at regular intervals. Calculates in real-time, heating and cooling. Immediate response. Downloading of records on PC.



7558

Contact your subsidiary for product availability.

Equipment

Tools for professionals



7357



6799



7452



6054



885

Hoses, coupling

Ref.	Products	Connect.	Comments
7357	Pack of 3 hoses 90 cm (29983) valves	1/4"	Reinforced hoses with stop valves, to prevent moisture ingress. Colours: blue, red, yellow. For all refrigerants (except R-410A).
7356	Pack of 3 hoses 150 cm (29985) valves	1/4"	
7358	Pack of 3 hoses 90 cm R-410A (29483) valves	1/4" 5/16"	R-410A special Reinforced hoses with stop valves, to prevent moisture ingress. Connection 1/4" - 5/16" for blue and red and 1/4" - 1/4" for yellow.
7359	Pack of 3 hoses 150 cm R-410A (29485) valves	1/4" 5/16"	
7453	Pack of DH Clim hoses 150 valves	1/4"	Pack of 3 hoses 150cm for all refrigerant (except R-410A) with stop valves. Colours: blue, red and yellow.
7452	Pack of R-410A DH Clim hoses 150 valves	1/4" 5/16"	Pack of 3 hoses 150cm special R-410A with stop valves. Colours: blue, red and yellow.
6849	Connector 1/4"F x 5/16"M		Unit. R-410A special.
6772	Plastic female connector 21.7 - 1/4 SAE		Unit
1226	Brass female connector 21.7 - 1/4 SAE		Unit
1256	Brass female connector 21.7 - 3/8 SAE		Unit
1177	J17 joint for brass connector		Unit. Fibre joint Ø 19.6 x 12 x 3 for bronze coupling 21.7-1/4 and 3/8.

Tools

Ref.	Products	Comments
6799	Bender housing with rack	Portable mechanical bender. 1/4", 5/16", 3/8", 1/2", 5/8", 3/4" and 7/8".
6800	Triple bender	1/4", 5/16" and 3/8".
6805	Flaring tool case	1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8". Rapid conversion.
6852	Disengageable flaring tool	Removable ergonomic handle, jagged flares thanks to excentric cone.

Leak detection

Ref.	Products	Comments
• Sensitivity control		
6088	5 gm/year sensitivity level checker	Sets sensitivity to 5 gm/yr for portable detectors + checking report.
5884	Mini-Check	Creates mini leak of 5 gm/yr of R-134a so that the user can conduct on-site checks that portable leak detectors are working correctly before searching for any leak.
• Detection using bubbles		
885	Prestobul	Box of 12 cans. Use in the vicinity of the suspected leak. Bubbles will form at the location of the leak.
• Detection using fluorescence		
6818	5 LED UV torch (69790)	3 UV bulbs, 2 blue. Robust Aluminium body.
• Tracer syringe		
6889	Universal tracer injector kit (69702)	Rapid injection kit for all refrigeration installations. 1/4" female connectors. One syringe contains 4 doses of 7.5 ml.
6697	Pack of 6 tracer injectors (69700)	Refill pack containing 6 syringes for tracer kit.
• Portable electronic detectors		
7417	Leak detector DDH1	Heated diode sensor. 3 sensitivity levels, suitable for all fluids, loud alarm, battery powered. Automatic calibration. Supplied with case and batteries. Certificate EN 14624.
6753	Leak detector DDH2	Heated diode sensor. 3 sensitivity levels, suitable for all fluids, leaks signalled by audio alarm + LED, battery or mains powered. Numeric indicator allows rate of leak to be estimated in gm/year. Automatic calibration. Supplied with case. Certificate EN 14624.
6798	Leak detector XP 1	By ionisation. Highly sensitive (3 gm/yr). 7 sensitivity levels, suitable for all fluids, battery powered. Supplied with replacement sensor. Certificate EN 14624.
6054	Leak detector Sapre HFC 92	Ceramic permeation cell, highly sensitive (1 gm/yr), suitable for all fluids, battery powered. Certificate EN 14624.
7559	Leak detector D-Tek CO ₂	Infrared sensor for R-744. Sensitivity 6 gm/yr. NiMH Battery powered, Low battery gauge. Supplied with case and adapter 12 and 220V.
• Replacement parts for portable electronic detectors		
6950	DDH1, DDH2 detector and filters (69384)	Heated diode sensor. Includes pack of 5 filters.
6951	DDH1, DDH2 filters (69385)	Pack of 5 filters.
4526	Detector for Tek-Mate	And D-Tek.
5127	XP 2 detector	For XP 1. Pack of 3 sensors.
6418	HFC 92 cell pack	For HFC 92 detector.
5969	HFC 92 filters	For HFC 92 detector. Pack of 20 filters.



6753



5884

7559



7417

Equipment

Tools for professionals



Environment control devices

Murco environment controls appliances detect refrigerant fluids in factories, industrial manufacturing, air conditioning systems, coolers, boilers and numerous other professional applications.



MGD



5116



7598



6596

Leak detection (continued)

Ref.	Products	Comments
• Environment control devices		
5103	Fixed detector MURCO MGD1SA1L	1 probe, 1 level R-22.
5108	Fixed detector MURCO MGD1SC2L	1 probe, 2 levels HFC (calibrated on R-134a).
6060	Fixed detector MURCO MGD1SC404A 1L	1 probe, 1 level R-404A.
5111	Fixed detector MURCO MGD2SA1L	2 probes, 1 level R-22.
5115	Fixed detector MURCO MGD2SA2L	2 probes, 2 levels R-22.
5112	Fixed detector MURCO MGD2SC1L	2 probes, 1 level HFC (calibrated on R-134a).
5116	Fixed detector MURCO MGD2SC2L	2 probes, 2 levels HFC (calibrated on R-134a).
6495	Fixed detector MURCO MGD2SC404A 1L	2 probes, 1 level R-404A.
6061	Fixed detector MURCO MGD2SC404A 2L	2 probes, 2 levels R-404A.

10 ppm sensitivity.

Audio and visual internal alarm and switch for external alarm. Free contacts for telesurveillance and security piloting. 12V output for centralized management system. Classified Exe and Exds (risky area). Ask us about other models equipped with up to 6 probes and for other fluids.

• Environment control for R-744

6594	Probe A Murco 1 level all HCFCs
6596	Probe C Murco 1 level all HFCs
6595	Probe A Murco 2 levels all HCFCs
6702	Probe C Murco 2 levels all HFCs

• Environment control for R-744

7554	Fixed detector MURCO 1SIR 1L CO ₂	1 probe 1 level CO ₂
7555	Fixed detector MURCO 1SIR 2L CO ₂	1 probe 2 levels CO ₂
7556	Fixed detector MURCO 2SIR 1L CO ₂	2 probes 1 level CO ₂
7557	Fixed detector MURCO 2SIR 2L CO ₂	2 probes 2 levels CO ₂

• 10 ppm calibration kits

7597	Calibration kit CAN110 R-134a
7598	Calibration kit CAN110 R-404A
7599	Calibration kit CAN110 R-22

Sensitivity control kit for checking environment control annually. Includes: calibration gas 110 L cylinder, flow regulator, calibration hood with evacuation and non-absorbent flexible tubing. Permits easy and quick checking of appliance sensitivity.

Measuring apparatus

Ref.	Products	Comments
4637	Refractometer	Precise on-site measurement of the freezing point of a glycol-based heat transfer fluid.

Transfer apparatus

Ref.	Products	Dimensions	Comments
5785	KAPPA 15 diaphragm pump	346 x 225 x 170 mm	For transferring heat transfer fluids. Self-priming pump with flow rate of 13.5 l/min, under a pressure of 20 bar.
7299	Universal pump	For 217 L barrel	Includes: one FP430 PP-1000 plunger body, an F417 electric motor, a screw for G2 plunger body.
7298	Universal pump	For 30 L barrel	Includes: one FP430 PP-700 plunger body, an F417 electric motor, a screw for G2 plunger body.
7139	FP 430 PP - 1000 plunger bodies	Unit	For 217 L barrel.
7142	FP 430 PP - 700 plunger bodies	Unit	For 30 L barrel.
7141	F 417 electrical motor	Unit	
7140	Nut for G2 plunger bodies	Unit	Upon request.

Materials

Ref.	Products	Packaging	Comments
5999	Relief valve D 30 - 30 bar		See page 42.
6864	Relief valve D 60 - 60 bar		See page 42.
7250	Portable torch blister pack	Unit	Includes 1 D Metaljet (Portable blowtorch. Works with disposable cartridge. Metal handle. Supplied with cyclone burner, beek 16mm. Piezo ignition with lock.) and 1 D Ultramatt (aluminium cartridge).
7153	D Ultramatt	Box of 12 units	Aluminium cartridge for D Metaljet.

Silicones

Ref.	Products	Packaging	Comments
5703	Silicone sanitary white	Box of 25 x 310ml cartons	Acetic silicone with fungicide.
5704	Silicone neutral white	Box of 25 x 310ml cartons	High performance neutral silicone for very humid environments. Special insulation panels. Fungicide, approved for "occasional contact with foodstuffs".

5703



5999

Application of heat transfer and secondary refrigerant fluids



4637

Universal pump

This pump can be used to introduce heat transfer fluids, lubricants and our cleaning products.



7299

Using brazing alloys

Insulation application



7250

Products, packaging and fill weights may vary by country. Contact your subsidiary for more detailed information.