

Combination Moisture & Liquid Indicators

See•All and KSG



Features and Benefits

See•All

ONE INDICATOR for all REFRIGERANTS
Provides a true moisture indication for R134a, R404A, R407A, R407C, R407F, R410A, R507, R744, R290, R1234ze, R448A, R449A, R450A, R513A, R32.

RELIABLE and ACCURATELY

CALIBRATED COLOR CHANGE POINTS
In parts per million of moisture for each refrigerant.

REPLACEABLE INDICATOR ELEMENT

The color indicator paper can be changed on fused glass models manufactured since 1984 without removing the See•All from the line.

INDICATOR PROTECTED from DISCOLORATION and DIRT

By a filter pad and screen. This prevents washing of the indicator by the refrigerant and protects it from system contamination and turbulence.

COLOR CHANGES ARE EASILY

DISTINGUISHED and REVERSIBLE

Indicator colors differ so widely between the wet and dry condition, there is no possibility of confusion. Colors reverse as often as moisture concentration in the system changes.

LARGE FULL VIEW SIGHTGLASS

Extra large crystal clear sightglass for viewing the refrigerant. Bubbles indicate a shortage of refrigerant or a restriction in the liquid line.

DISASSEMBLY FOR INSTALLATION IS UNNECESSARY

With extended fittings on small size solder models. See•Alls are easy to braze.

PLASTIC CAP

Is supplied with See•All to keep the glass free from dust, dirt and grease.



The Parker Sporlan Moisture and Liquid Indicator combines the two functions of moisture and liquid indication into a single economical product. It takes the guess work out of servicing refrigeration and air conditioning equipment. See•All and KSG assist the technician in determining the state of the circulating refrigerant at a particular location and if a safe moisture level exists in the system. Excessive moisture in refrigerant systems can cause unwanted chemistries such as hydrolysis of lubricants and other materials, corrosion of metals, copper plating, ice formation at the meeting device and a chemical change in the motor insulation of a hermetic compressor.

ATEX Compliance

The ODF solder models within this catalogue are designed to be used with A2L and A3 refrigerants (flammable) along with complying with the European Directives (97/23/CE) "Pressure Equipment Directive" and (94/9/CE) "ATEX Directive" for equipment intended for use in potentially explosive atmospheres. Products bearing this mark have been evaluated and tested to the requirements found in the ATEX Directive 94/9/CE. The products will fall under "II 3 G TX Ta -46°C to +65°C" (-50°F to 149°F) and are considered suitable for installation in potentially explosive atmospheres.



ENGINEERING YOUR SUCCESS.

**See All
Calibration information**

MOISTURE CONTENT - PPM				
REFRIGERANT	LIQUID LINE TEMPERATURE	SEE • ALL SHOWS		
		Green - DRY	Chartreuse - CAUTION	Yellow - WET
R-32	75°F / 24°C	↓125	125-500	↑500
	100°F / 38°C	↓145	145-580	↑580
R-134a	75°F / 24°C	↑50	50-200	↑200
	100°F / 38°C	↓80	80-225	↑225
R-290	75°F / 24°C	↓15	15-30	↑30
	100°F / 38°C	↓45	45-60	↑60
R-404A	75°F / 24°C	↓15	15-90	↑90
R-507	100°F / 38°C	↓30	30-140	↑140
R-407A R-407C R-407F	75°F / 24°C	↓120	120-280	↑280
R-410A	75°F / 24°C	↓75	75-150	↑150
R-448A	75°F / 24°C	↓45	45-150	↑150
R-449A	100°F / 38°C	↓50	50-255	↑255
R-450A	75°F / 24°C	↓30	30-90	↑90
R-513A*	100°F / 38°C	↓50	50-150	↑150
R-744	20°F / -7°C	↓40	40-65	↑65
R-1234ze	75°F / 24°C	↓40	40-80	↑80
	100°F / 38°C	↓55	55-120	↑120

NOTE: Change or add Catch-All Filter-Drier when paper turns from green to chartreuse.

KSG SERIES

Parker KSG moisture and Liquid Line Sight Glasses allow a visual indication of colour, flow and refrigerant quality in a refrigeration or air-conditioning systems. KSG moisture and Liquid Line Sight Glasses are a combination of brass body and large diameter fused bezel fitted in upper part and containing moisture indicator. KSG moisture and Liquid Line Sight Glasses with solder connections use a long copper tubes to facilitate brazing without dismounting the glass. However we recommend to protect the glass by calorie discharger TB2 Thermal BlockTM or to wrap with a damp cloth. The sight glass can be easily removed and replaced if necessary. Long copper connection and removable bezel are the guarantee to install and use with maximum performances and visualisation of refrigerant quality.

Benefits

PS (MWP)	45 bar (652 psig)
TS	-40°C to 60°C

• **Leak Testing: 100% helium leak tested**

• **Approvals: PED 97/23/EC - article 3.3**

Features

Suitable for all CFC / HCFC / HFC refrigerant and their associated oils.

KSG Colour Indication	Moisture Content - ppm							
	R410A		R134a		R404A - R507		R407C	
	24°C	52°C	24°C	52°C	24°C	52°C	24°C	52°C
Green- Dry	75	135	30	60	40	85	30	70
Yellow - Wet	150	250	125	200	140	400	115	230