

Moisture Liquid Indicators Series AMI

Features

- First choice for R 134a, R 22, R 404A, R 407C, R 507 and polyolester lubricants
- High accuracy of moisture indication according to ASERCOM recommendation
- Fused glass - no leakage
- Long lifetime of indicators by utilization of crystals
- Indicator with high resistance against acid and water
- Wide angle view for exact distinction of vapour and liquid
- Max. operating pressure PS: 31 bar



AMI-1 SS



AMI-1 TT



AMI-3

Selection Chart

Type	Part No.	Connection		Configuration	
		mm	inch		
AMI - 1	SS 2 MM	805 732	6	Female Solder x Female Solder ODF x ODF	
	SS 2	805 713	1/4		
	SS 3 MM	805 733	10		
	SS 3	805 714	3/8		
	SS 4 MM	805 734	12		
	SS 4	805 715	1/2		
	SS 5	805 716	16		5/8
	SS 7	805 717	22		7/8
	SS 9 MM	805 703	28		
	SS 9	805 705			1-1/8
	TT 2 MM	805 697	6	Female Solder x Female Solder ODF x ODF (with extended Copper tubes)	
	TT 2	805 655			1/4
	TT 3 MM	805 698	10		
	TT 3	805 654			3/8
	TT 4 MM	805 699	12		
	TT 4	805 653			1/2
	TT 5	805 652	16		5/8
	TT 7	805 656	22		7/8
	TT 9 MM	805 700	28		
	TT 9	805 651			1-1/8
AMI - 2	MM 2	805 706	6	Male Flare x Male Flare	
	MM 3	805 707	10		3/8
	MM 4	805 708	12		1/2
	MM 5	805 709	16		5/8
	FM 2	805 710	6		1/4
AMI - 3	FM 3	805 711	10	Female Flare x Male Flare	
	FM 4	805 712	12		1/2
	S 11	805 704	35		1-3/8
AMI - 2	S 13	805 659	42	Male Solder ODM (for soldering into fittings)	
	S 17	805 687	54		2-1/8
	S 7	805 650	22		7/8
AMI - 3	S 9	805 649	28	Saddle Type (for soldering onto the pipe)	
	S 11	805 648	35		1-3/8

Nominal capacity at +4°C evaporating temperature (saturated condition/dew point) and a pressure drop of 0.21 bar between inlet and outlet of BTAS. Correction factor for other evaporating temperatures than +4°C:

Q_n : Nominal capacity
 K_s : Correction factor for a pressure drop corresponding 1K saturation temperature
 Q_o : Required cooling capacity

$$Q_n = Q_o \times K_s$$

Evaporating Temperature (°C)	+4	0	-5	-10	-15	-20	-25	-30	-35	-40
Correction Factor K_s	1,00	1,12	1,35	1,75	2,00	2,50	3,00	3,75	5,00	6,60

BTAS - Water and Acid Adsorption Capacity

Core	Water adsorption capacity (grams)								Acid Adsorption (grams)
	Liquid Temperature 24°C				Liquid Temperature 52°C				
	R134a	R22	R404A / R 507	R407C	R134a	R22	R404A / R 507	R407C	
A2F-D	2.8	2.5	2.9	4.8	2.3	1.9	2.3	5.0	3.7
A3F-D	7.6	6.8	8.0	13.3	6.3	5.3	6.2	13.8	10.3
A4F-D	14.8	13.3	15.7	25.9	12.2	10.3	12.2	26.9	20.1
A5F-D	21.8	19.6	23.1	38.2	18.0	15.1	17.9	39.7	29.6

Spare Parts

Repair Kits with cover, screws and gaskets	Type	Part No.
Repair Kit BTAS 2	KD 30519-2	065 970
Repair Kit BTAS 3	KD 30519-3	065 971
Repair Kit BTAS 4	KD 30519-4	065 972
Repair Kit BTAS 5	KD 30519-5	065 973