

Suction Line Filter and Filter Drier Shells Series BTAS

for replaceable Filters and Filter Drier Cores

Features

- Corrosion resistant brass body ideal for suction line applications
- Extremely large filtration area for optimum flow capacity
- Low pressure drop
- Filtration down to 10 micron
- Temperature range TS: -45°C ... +50°C
- Max. working pressure PS: 24 bar



BTAS

Suction Line Shells With Filter Cores

Type	Part No.	Connection Solder/ODF		Nominal Capacity Q _n					Filter Core	
		mm	inch	R 134a	R 22	R 404A	R 407C	R 507	Type	Part No.
No CE marking according to art. 3.3 PED 97/23. HP marking according to German pressurised vessel directive										
BTAS 25	015 353		5/8	12,5	17,1	13,9	15,9	13,9	A2F	009 907
BTAS 27	015 354	22	7/8	22,3	29,6	24,3	27,5	24,3		
BTAS 39	015 355		1-1/8	37,7	50,4	40,6	46,9	40,6	A3F	009 909
BTAS 311	015 356	35	1-3/8	60,3	80,7	65,2	75,1	65,2		
BTAS 313	015 357		1-5/8	73,4	97,5	81,1	90,7	81,1		
BTAS 342	015 358	42		73,4	97,5	81,1	90,7	81,1		
BTAS 317	015 359	54	2-1/8	97,6	127,7	104,8	118,8	104,8	A4F	009 911
BTAS 417	015 360	54	2-1/8	134,7	178,2	145,3	165,7	145,3		
CE marked. Conformity assessment cat. I, procedure module A.										
BTAS 521	015 361		2-5/8	209,0	282,4	229,8	262,6	229,8	A5F	009 913
BTAS 525	015 362		3-1/8	260,1	346,1	283,9	321,9	283,9		
BTAS-580	015 363	80		260,1	346,1	283,9	321,9	283,9		

Filter and Filter Drier Cores have to be ordered separately.

Suction Line Shells With Filter Drier Cores

Type	Part No.	Connection Solder/ODF		Nominal Capacity Q _n					Filter Drier Core	
		mm	inch	R 134a	R 22	R 404A	R 407C	R 507	Type	Part No.
No CE marking according to art. 3.3 PED 97/23. HP marking according to German pressurised vessel directive										
BTAS 25	015 353		5/8	11,6	15,5	12,8	14,4	12,8	A2F-D	009 908
BTAS 27	015 354	22	7/8	19,1	25,2	20,6	23,4	20,6		
BTAS 39	015 355		1-1/8	34,4	45,7	37,5	42,5	37,5	A3F-D	009 910
BTAS 311	015 356	35	1-3/8	49,2	65,5	53,7	60,9	53,7		
BTAS 313	015 357		1-5/8	57,1	77,3	62,5	71,9	62,5		
BTAS 342	015 358	42		57,1	77,3	62,5	71,9	62,5		
BTAS 317	015 359	54	2-1/8	71,1	94,1	77,7	87,5	77,7	A4F-D	009 912
BTAS 417	015 360	54	2-1/8	106,8	144,5	118,3	134,4	118,3		
CE marked. Conformity assessment cat. I, procedure module A										
BTAS-521	015 361		2-5/8	153,3	205,1	169,0	190,7	169,0	A5F-D	009 914
BTAS-525	015 362		3-1/8	181,2	242,0	199,4	225,1	199,4		
BTAS-580	015 363	80		181,2	242,0	199,4	225,1	199,4		

Filter and Filter Drier Cores have to be ordered separately.

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

Cover Plate Gaskets	Type	Part No.
Cover Plate Gasket BTAS 2	PS 23380-2	053 580
Cover Plate Gasket BTAS 3	PS 23380-3	053 581
Cover Plate Gasket BTAS 4	PS 23380-4	053 582
Cover Plate Gasket BTAS 5	PS 23380-5	053 583