

DTG SERIES**UNI-FLOW
FILTER DRIERS**

(GreenTech range: for fluids GROUP 1 according to Directive 2014/68/EU or GROUP A3/A2L according to ANSI-ASHRAE 34-2016).

The filter driers of series DTG are used in refrigeration system with unidirectional flow to absorb moisture and acid in the system and to filter out the impurities.

FEATURES

- HIGHLY EFFICIENT IN MOISTURE ABSORPTION, FILTERING IMPURITY, ACID, PAINT REMAINS AND MUD REMOVAL
- HYBRID DESICCANT
- DURABLE AND SOLID FILTER CORES
- FILTERING FINENESS: 20µM
- CORROSION RESISTANT PAINTING SURVIVES SALT SPRAY TEST OF 500 HOURS
- CONNECTION TYPE: SOLDER

GENERAL SPECIFICATIONS

- Applicable for HC, HFC, HFO refrigerants such as: R290, R1234ze(E), R1234yf, R447A, R452B, R454B, R454C
- Ambient temperature min./max.: -30°C / +70°C
- Medium temperature TS min./max.: -30°C / +120°C
- Max. operating pressure PS max.: 4,83 MPa (48,3 bar) - 700 PSI
- Installation position:
 - Flow direction corresponds to the arrow
 - Preferably installed in liquid line
- Certifications: UL/CSA and PED declaration (all products have been covered by Art.4.3 PED Directive 2014/68/EU)

TECNICAL PARAMETERS *Desiccant Selection Table*

	Medium Type	80% 3Å desiccant and 20% active alumina	100% 3Å desiccant
Refrigerant	HC	Applicable	Applicable
	HFC	Applicable	Applicable
	HFO	Applicable	Applicable
Oil ¹⁾	Mineral oil or AB	Applicable	Applicable
	Pure POE or PAG	Applicable	Applicable
	POE or PAG with additive	Not Applicable	Applicable

Note: 1) When the systems use oil with additive, it is not recommended to use a core with alumina



Model Designation Legend

1	Product Code	Filter Drier Series	
	DTG	Indicates unidirectional filter drier	
2	Filter Core	Structure and Material	
	B	Solid core, 100%3Å desiccant	
	F	Solid core, 80% 3Å desiccant and 20% active alumina	
3	Internal Volume	Expressed in [inch ³]	Expressed in [cm ³]
	03	3	49
	05	5	82
	08	8	131
	16	16	262
	30	30	492
	41	41	672
	75	75	1229
4	Connection Size	Pos. 5 shows "0": Solder [inch]	
	02	1/4	
	25	5/16	
	03	3/8	
	04	1/2	
	05	5/8	
	06	3/4	
	07	7/8	
	09	1 1/8	
	Connection Size	Pos. 5 shows "1": Solder [mm]	
	06	6	
	(08) *	(5/16" version can be used e.g. DTG-B03 250)	
	10	10	
	12	12	
	(16) *	(5/8" version can be used e.g. DTG-B08 050)	
	(22) *	(7/8" version can be used e.g. DTG-B16 070)	
	28	28	
	5	Pipe Connection	Type
0		Solder with inch connections	
1*		Solder with metric connections	
6	Version Number	Description	
	901	Standard product	

Note: *Solder connections which fit to metric and inch are marked with inch product codes e.g. 8, 16 and 22 mm

UNI-FLOW FILTER DRIERS



MODEL DESIGNATION EXAMPLE

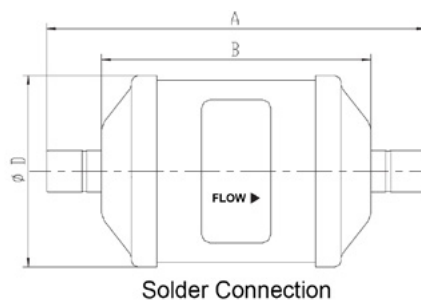
Position Number						According to Model Designation Legend
1	2	3	4	5	6	
DTG	B	03	06	1	901	Unidirectional filter drier
DTG	B	03	06	1	901	Solid filter core with 100% 3Å desiccant
DTG	B	03	06	1	901	3 inch ³ internal volume
DTG	B	03	06	1	901	When Pos. 5 is "1": connection size 6mm
DTG	B	03	06	1	901	Solder connection metric
DTG	B	03	06	1	901	Standard product



GENERAL CHARACTERISTICS OF DTG-B FILTER - SOLDER CONNECTION

Filter	Model ¹⁾ [inch]	Part Number (multi package) ²⁾ [inch]	Model ¹⁾ [mm]	Part Number (multi package) ²⁾ [mm]	Nominal Volumen		Connection		Dimensions & Weight ³⁾				PED Category ⁴⁾ (Fluid Group 1)
							Solder		ØD	B	A	Weight	
					[inch ³]	[cm ³]	[inch]	[mm]	[mm]	[mm]	[mm]	[g]	
DTGB032s	DTG-B03 020-901	10230008302	DTG-B03 061-901	10230008702	3	49	1/4	6	45	65	103	160	Art. 4.3
DTGB0325s	DTG-B03 250-901	10230008402	DTG-B03 250-901	10230008402	3	49	5/16	8	45	65	103	160	Art. 4.3
DTGB033s	DTG-B03 030-901	10230008502	DTG-B03 101-901	10230008802	3	49	3/8	10	45	65	103	160	Art. 4.3
DTGB034s	DTG-B03 040-901	10230008602	DTG-B03 121-901	10230008902	3	49	1/2	12	45	65	113	160	Art. 4.3
DTGB052s	DTG-B05 020-901	10230010202	DTG-B05 061-901	10230010802	5	82	1/4	6	69	76	114	450	Art. 4.3
DTGB0525s	DTG-B05 250-901	10230010402	DTG-B05 250-901	10230010402	5	82	5/16	8	69	76	114	450	Art. 4.3
DTGB053s	DTG-B05 030-901	10230010502	DTG-B05 101-901	10230010902	5	82	3/8	10	69	76	114	450	Art. 4.3
DTGB054s	DTG-B05 040-901	10230010602	DTG-B05 121-901	10230011002	5	82	1/2	12	69	76	124	450	Art. 4.3
DTGB055s	DTG-B05 050-901	10230010702	DTG-B05 050-901	10230010702	5	82	5/8	16	69	76	124	450	Art. 4.3
DTGB082s	DTG-B08 020-901	10230009502	DTG-B08 061-901	10230011302	8	131	1/4	6	69	98	136	550	Art. 4.3
DTGB0825s	DTG-B08 250-901	10230009402	DTG-B08 250-901	10230009402	8	131	5/16	8	69	98	136	550	Art. 4.3
DTGB083s	DTG-B08 030-901	10230009302	DTG-B08 101-901	10230011402	8	131	3/8	10	69	98	136	550	Art. 4.3
DTGB084s	DTG-B08 040-901	10230009602	DTG-B08 121-901	10230011602	8	131	1/2	12	69	98	146	550	Art. 4.3
DTGB085s	DTG-B08 050-901	10230009702	DTG-B08 050-901	10230009702	8	131	5/8	16	69	98	146	550	Art. 4.3
DTGB162s	DTG-B16 020-901	10230012002	DTG-B16 061-901	10230012702	16	262	1/4	6	69	118	156	660	Art. 4.3
DTGB1625s	DTG-B16 250-901	10230012102	DTG-B16 250-901	10230012102	16	262	5/16	8	69	118	156	660	Art. 4.3
DTGB163s	DTG-B16 030-901	10230012202	DTG-B16 101-901	10230012802	16	262	3/8	10	69	118	156	660	Art. 4.3
DTGB164s	DTG-B16 040-901	10230012302	DTG-B16 121-901	10230015902	16	262	1/2	12	69	118	166	660	Art. 4.3
DTGB165s	DTG-B16 050-901	10230012402	DTG-B16 050-901	10230012402	16	262	5/8	16	69	118	166	660	Art. 4.3
DTGB166s	DTG-B16 060-901	10230012502	-	-	16	262	3/4	-	69	118	178	660	Art. 4.3
DTGB167s	DTG-B16 070-901	10230012602	DTG-B16 070-901	10230012602	16	262	7/8	22	69	118	178	660	Art. 4.3
DTGB303s	DTG-B30 030-901	10230013902	DTG-B30 101-901	10230014502	30	492	3/8	10	81	193	231	1550	Art. 4.3
DTGB304s	DTG-B30 040-901	10230014002	DTG-B30 121-901	10230014602	30	492	1/2	12	81	193	241	1550	Art. 4.3
DTGB305s	DTG-B30 050-901	10230014102	DTG-B30 050-901	10230014102	30	492	5/8	16	81	193	241	1550	Art. 4.3
DTGB306s	DTG-B30 060-901	10230014202	-	-	30	492	3/4	-	81	193	253	1550	Art. 4.3
DTGB307s	DTG-B30 070-901	10230014302	DTG-B30 070-901	10230014302	30	492	7/8	22	81	193	253	1550	Art. 4.3
DTGB309s	DTG-B30 090-901	10230014402	DTG-B30 281-901	10230014802	30	492	1 1/8	28	81	193	263	1550	Art. 4.3
DTGB414s	DTG-B41 040-901	10230013202	DTG-B41 121-901	10230013602	41	672	1/2	12	94	194	242	2050	Art. 4.3
DTGB415s	DTG-B41 050-901	10230013302	DTG-B41 050-901	10230013302	41	672	5/8	16	94	194	242	2050	Art. 4.3
DTGB417s	DTG-B41 070-901	10230013402	DTG-B41 070-901	10230013402	41	672	7/8	22	94	194	254	2050	Art. 4.3
DTGB419s	DTG-B41 090-901	10230013502	DTG-B41 281-901	10230013802	41	672	1 1/8	28	94	194	264	2050	Art. 4.3
DTGB757s	DTG-B75 070-901	10230014902	DTG-B75 070-901	10230014902	75	1229	7/8	22	94	333	393	3400	Art. 4.3
DTGB759s	DTG-B75 090-901	10230015002	DTG-B75 281-901	10230015102	75	1229	1 1/8	28	94	333	403	3400	Art. 4.3

- Note:**
- 1) Available also as industrial package. Contact Sanhua for more details.
 - 2) Dimensions are rounded up to integral mm
 - 3) PED Directive 2014/68/EU. Category evaluated considering product as a “vessel”

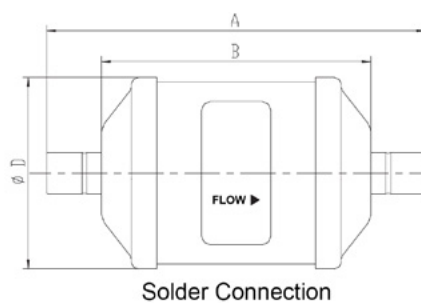




GENERAL CHARACTERISTICS OF DTG-F FILTER - SOLDER CONNECTION

Filter	Model ¹⁾ [inch]	Part Number (multi package) ²⁾ [inch]	Model ¹⁾ [mm]	Part Number (multi package) ²⁾ [mm]	Nominal Volumen		Connection		Dimensions & Weight ³⁾				PED Category ⁴⁾ (Fluid Group 1)
							Solder		ØD	B	A	Weight	
					[inch ³]	[cm ³]	[inch]	[mm]	[mm]	[mm]	[mm]	[g]	
DTGF032s	DTG-F03 020-901	10230016102	DTG-F03 061-901	10230016502	3	49	1/4	6	45	65	103	160	Art. 4.3
DTGF0325s	DTG-F03 250-901	10230016202	DTG-F03 250-901	10230016202	3	49	5/16	8	45	65	103	160	Art. 4.3
DTGF033s	DTG-F03 030-901	10230016302	DTG-F03 101-901	10230016602	3	49	3/8	10	45	65	103	160	Art. 4.3
DTGF034s	DTG-F03 040-901	10230016402	DTG-F03 121-901	10230016002	3	49	1/2	12	45	65	113	160	Art. 4.3
DTGF052s	DTG-F05 020-901	10230017702	DTG-F05 061-901	10230017202	5	82	1/4	6	69	76	114	450	Art. 4.3
DTGF0525s	DTG-F05 250-901	10230017602	DTG-F05 250-901	10230017602	5	82	5/16	8	69	76	114	450	Art. 4.3
DTGF053s	DTG-F05 030-901	10230017502	DTG-F05 101-901	10230017102	5	82	3/8	10	69	76	114	450	Art. 4.3
DTGF054s	DTG-F05 040-901	10230017402	DTG-F05 121-901	10230017002	5	82	1/2	12	69	76	124	450	Art. 4.3
DTGF055s	DTG-F05 050-901	10230017302	DTG-F05 050-901	10230017302	5	82	5/8	16	69	76	124	450	Art. 4.3
DTGF082s	DTG-F08 020-901	10230018102	DTG-F08 061-901	10230018602	8	131	1/4	6	69	98	136	550	Art. 4.3
DTGF0825s	DTG-F08 250-901	10230018202	DTG-F08 250-901	10230018202	8	131	5/16	8	69	98	136	550	Art. 4.3
DTGF083s	DTG-F08 030-901	10230018302	DTG-F08 101-901	10230018702	8	131	3/8	10	69	98	136	550	Art. 4.3
DTGF084s	DTG-F08 040-901	10230018402	DTG-F08 121-901	10230018802	8	131	1/2	12	69	98	146	550	Art. 4.3
DTGF085s	DTG-F08 050-901	10230018502	DTG-F08 050-901	10230018502	8	131	5/8	16	69	98	146	550	Art. 4.3
DTGF162s	DTG-F16 020-901	10230019302	DTG-F16 061-901	10230020002	16	262	1/4	6	69	118	156	660	Art. 4.3
DTGF1625s	DTG-F16 250-901	10230019402	DTG-F16 250-901	10230019402	16	262	5/16	8	69	118	156	660	Art. 4.3
DTGF163s	DTG-F16 030-901	10230019502	DTG-F16 101-901	10230020102	16	262	3/8	10	69	118	156	660	Art. 4.3
DTGF164s	DTG-F16 040-901	10230019602	DTG-F16 121-901	10230020202	16	262	1/2	12	69	118	166	660	Art. 4.3
DTGF165s	DTG-F16 050-901	10230019702	DTG-F16 050-901	10230019702	16	262	5/8	16	69	118	166	660	Art. 4.3
DTGF166s	DTG-F16 060-901	10230019802	-	-	16	262	3/4	-	69	118	178	660	Art. 4.3
DTGF167s	DTG-F16 070-901	10230019902	DTG-F16 070-901	10230019902	16	262	7/8	22	69	118	178	660	Art. 4.3
DTGF303s	DTG-F30 030-901	10230020902	DTG-F30 101-901	10230021502	30	492	3/8	10	81	193	231	1550	Art. 4.3
DTGF304s	DTG-F30 040-901	10230021002	DTG-F30 121-901	10230021602	30	492	1/2	12	81	193	241	1550	Art. 4.3
DTGF305s	DTG-F30 050-901	10230021102	DTG-F30 050-901	10230021102	30	492	5/8	16	81	193	241	1550	Art. 4.3
DTGF306s	DTG-F30 060-901	10230021202	-	-	30	492	3/4	-	81	193	253	1550	Art. 4.3
DTGF307s	DTG-F30 070-901	10230021302	DTG-F30 070-901	10230021302	30	492	7/8	22	81	193	253	1550	Art. 4.3
DTGF309s	DTG-F30 090-901	10230021402	DTG-F30 281-901	10230021802	30	492	1 1/8	28	81	193	263	1550	Art. 4.3
DTGF414s	DTG-F41 040-901	10230022402	DTG-F41 121-901	10230022802	41	672	1/2	12	94	194	242	2050	Art. 4.3
DTGF415s	DTG-F41 050-901	10230022502	DTG-F41 050-901	10230022502	41	672	5/8	16	94	194	242	2050	Art. 4.3
DTGF417s	DTG-F41 070-901	10230022602	DTG-F41 070-901	10230022602	41	672	7/8	22	94	194	254	2050	Art. 4.3
DTGF419s	DTG-F41 090-901	10230022702	DTG-F41 281-901	10230023002	41	672	1 1/8	28	94	194	264	2050	Art. 4.3
DTGF757s	DTG-F75 070-901	10230023102	DTG-F75 070-901	10230023102	75	1229	7/8	22	94	333	393	3400	Art. 4.3
DTGF759s	DTG-F75 090-901	10230031102	DTG-F75 281-901	10230023302	75	1229	1 1/8	28	94	333	403	3400	Art. 4.3

- Note:**
- 1) Delivery time on request
 - 2) Available also as industrial package. Contact Sanhua for more details
 - 3) Dimensions are rounded up to integral mm
 - 4) PED Directive 2014/68/EU. Category evaluated considering product as a “vessel”





SELECTION TABLE

Model	Capacity ^{1) 2)} [kW]			
	R290	R454B	R1234yf	R1234ze(E)
DTGB032s	9.22	9,50	5.55	6.76
DTGB0325s	11.17	11,51	6.72	8.19
DTGB033s	14.53	14,98	8.75	10.65
DTGB034s	28.58	29,45	17.21	20.95
DTGB052s	10.44	10,75	6.28	7.65
DTGB0525s	11.12	11,56	6.75	8.22
DTGB053s	23.80	24,52	14.33	17.44
DTGB054s	29.36	30,25	17.67	21.52
DTGB055s	40.58	41,81	24.43	29.74
DTGB082s	10.88	11,21	6.55	7.97
DTGB0825s	12.49	12,86	7.52	9.15
DTGB083s	25.36	26,13	15.27	18.59
DTGB084s	30.19	31,11	18.17	22.13
DTGB085s	52.62	54,22	31.68	38.57
DTGB162s	12.92	13,32	7.78	9.47
DTGB1625s	12.49	12,86	7.52	9.15
DTGB163s	25.36	26,13	15.27	18.59
DTGB164s	32.92	33,92	19.82	24.13
DTGB165s	50.62	52,16	30.48	37.10
DTGB166s	54.57	56,23	32.85	40.00
DTGB167s	55.35	57,04	33.32	40.57
DTGB303s	30.19	31,11	18.17	22.13
DTGB304s	39.02	40,20	23.49	28.59
DTGB305s	53.40	55,03	32.15	39.14
DTGB306s	73.55	75,78	44.28	53.90
DTGB307s	73.89	76,13	44.48	54.15
DTGB309s	82.81	85,33	49.85	60.69
DTGB414s	41.36	42,61	24.90	30.31
DTGB415s	70.67	72,82	42.54	51.79
DTGB417s	105.44	108,65	63.48	77.28
DTGB419s	107.98	111,26	65.00	79.14
DTGB757s	107.20	110,45	64.53	78.56
DTGB759s	111.98	115,38	67.41	82.07

SELECTION TABLE

Model	Capacity ^{1) 2)} [kW]			
	R290	R454B	R1234yf	R1234ze(E)
DTGF032s	9.22	9,50	5.55	6.76
DTGF0325s	11.17	11,51	6.72	8.19
DTGF033s	14.53	14,98	8.75	10.65
DTGF034s	28.58	29,45	17.21	20.95
DTGF052s	10.44	10,75	6.28	7.65
DTGF0525s	11.12	11,56	6.75	8.22
DTGF053s	23.80	24,52	14.33	17.44
DTGF054s	29.36	30,25	17.67	21.52
DTGF055s	40.58	41,81	24.43	29.74
DTGF082s	10.88	11,21	6.55	7.97
DTGF0825s	12.49	12,86	7.52	9.15
DTG-F083s	25.36	26,13	15.27	18.59
DTGF084s	30.19	31,11	18.17	22.13
DTGF085s	52.62	54,22	31.68	38.57
DTGF162s	12.92	13,32	7.78	9.47
DTGF1625s	12.49	12,86	7.52	9.15
DTGF163s	25.36	26,13	15.27	18.59
DTGF164s	32.92	33,92	19.82	24.13
DTGF165s	50.62	52,16	30.48	37.10
DTGF166s	54.57	56,23	32.85	40.00
DTGF167s	55.35	57,04	33.32	40.57
DTGF303s	30.19	31,11	18.17	22.13
DTGF304s	39.02	40,20	23.49	28.59
DTGF305s	53.40	55,03	32.15	39.14
DTGF306s	73.55	75,78	44.28	53.90
DTGF307s	73.89	76,13	44.48	54.15
DTGF309s	82.81	85,33	49.85	60.69
DTGF414s	41.36	42,61	24.90	30.31
DTGF415s	70.67	72,82	42.54	51.79
DTGF417s	105.44	108,65	63.48	77.28
DTGF419s	107.98	111,26	65.00	79.14
DTGF757s	107.20	110,45	64.53	78.56
DTGF759s	111.98	115,38	67.41	82.07

Note: 1) the above data is based on clean system at ideal conditions; with impurities accumulated in the filter, the capacity may decrease
 2) given capacity is for all available types of connection for the same model: solder [inch] and equivalent solder [mm]

SELECTION FORMULAS

Filter Driers for liquid line are manufactured in compliance with ARI Standard 710. Flow rate of liquid refrigerant at a differential pressure of 0,07bar (1psi) is indicated by kW which is based on the temperature of liquid refrigerant 30°C (86°F), the evaporating temperature of refrigerant is -15°C (5°F).

DTG SERIES

UNI-FLOW FILTER DRIERS



(Standard range: for fluids GROUP 2 according to Directive 2014/68/EU or GROUP A1 according to ANSI-ASHRAE 34-2016).

The filter driers of series DTG are used in refrigeration system with unidirectional flow to absorb moisture and acid in the system and to filter out the impurities.

FEATURES

- HIGH EFFICIENT IN MOISTURE ABSORPTION, FILTERING IMPURITY, ACID, PAINT REMAINS AND MUD REMOVAL
- HYBRID DESICCANT
- DURABLE AND SOLID FILTER CORES
- FILTERING FINENESS: 20µm
- CORROSION RESISTANT PAINTING SURVIVES SALT SPRAY TEST OF 500 HOURS
- CONNECTION TYPE: FLARE OR SOLDER

GENERAL SPECIFICATIONS

- Applicable for all common HCFC, HFC, HFO refrigerants such as: R22, R134a, R404A, R407C, R410A, R507, R407A/F, R448A/R449A, R452A, R450A/R513A
- Ambient temperature min./max.: -30°C / +70°C
- Medium temperature TS min./max.: -30°C / +120°C
- Max. operating pressure PS max.: 4,83 MPa (48,3 bar) - 700 PSI
- Installation position:
 - Flow direction corresponds to the arrow
 - Preferably installed in liquid line
- Certifications: UL/CSA and PED declaration

TECNHICAL PARAMETERS *Desiccant Selection Table*

	Medium Type	80% 3Å desiccant and 20% active alumina	100% 3Å desiccant
Refrigerant	HFC	Applicable	Applicable
	HCFC	Applicable	Applicable
	HFO	Applicable	Applicable
Oil ¹⁾	Mineral oil or AB	Applicable	Applicable
	Pure POE or PAG	Applicable	Applicable
	POE or PAG with additive	Not Applicable	Applicable

Note: 1) When the systems use oil with additive, it is not recommended to use a core with alumina.



Model Designation Legend

1	Product Code	Filter Drier Series	
	DTG	Indicates unidirectional filter drier	
2	Filter Core	Structure and Material	
	B	Solid core, 100%3Å desiccant	
	F	Solid core, 80% 3Å desiccant and 20% active alumina	
3	Internal Volume	Expressed in [inch ³]	Expressed in [cm ³]
	03	3	49
	05	5	82
	08	8	131
	16	16	262
	30	30	492
	41	41	672
	75	75	1229
4	Connection Size	Pos. 5 shows "0": Solder [inch]	
	02	1/4	
	25	5/16	
	03	3/8	
	04	1/2	
	05	5/8	
	06	3/4	
	07	7/8	
	09	1 1/8	
	Connection Size	Pos. 5 shows "1": Solder [mm]	
	06	6	
	(08) *	(5/16" version can be used e.g. DTG-B03 250)	
	10	10	
	12	12	
	(16) *	(5/8" version can be used e.g. DTG-B08 050)	
	(22) *	(7/8" version can be used e.g. DTG-B16 070)	
	28	28	
5	Pipe Connection	Type	
	0	Solder with inch connections	
	1*	Solder with metric connections	
6	Version Number	Description	
	901	Standard product	

Note: *Solder connections which fit to metric and inch are marked with inch product codes e.g. 8, 16 and 22 mm



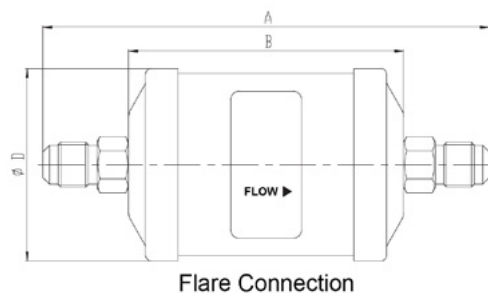
MODEL DESIGNATION EXAMPLE

Position Number						According to Model Designation Legend
1	2	3	4	5	6	
DTG	B	03	06	1	901	Unidirectional filter drier
DTG	B	03	06	1	901	Solid filter core with 100% 3Å desiccant
DTG	B	03	06	1	901	3 inch ³ internal volume
DTG	B	03	06	1	901	When Pos. 5 is "1": connection size 6mm
DTG	B	03	06	1	901	Solder connection metric
DTG	B	03	06	1	901	Standard product

GENERAL CHARACTERISTICS OF DTG-B FILTER - FLARE CONNECTION

Filter	Model	Part Number (multi package) ¹⁾	Nominal Volume		Connection	Dimensions & Weight ²⁾				PED Category ³⁾ (Fluid Group 2)
			[inch ³]	[cm ³]	SAE Flare	ØD	B	A	Weight	
					[inch]	[mm]	[mm]	[mm]	[g]	
DTGB032	DTG-B03 024-901	10230009202	3	49	1/4	45	65	112	160	Art. 4.3
DTGB033	DTG-B03 034-901	10230009102	3	49	3/8	45	65	125	160	Art. 4.3
DTGB034	DTG-B03 044-901	10230009002	3	49	1/2	45	65	133	160	Art. 4.3
DTGB052	DTG-B05 024-901	10230009802	5	82	1/4	69	76	123	450	Art. 4.3
DTGB053	DTG-B05 034-901	10230009902	5	82	3/8	69	76	136	450	Art. 4.3
DTGB082	DTG-B08 024-901	10230010002	8	131	1/4	69	98	145	550	Art. 4.3
DTGB083	DTG-B08 034-901	10230010302	8	131	3/8	69	98	158	550	Art. 4.3
DTGB084	DTG-B08 044-901	10230010102	8	131	1/2	69	98	166	550	Art. 4.3
DTGB162	DTG-B16 024-901	10230011502	16	262	1/4	69	118	165	660	Art. 4.3
DTGB163	DTG-B16 034-901	10230011702	16	262	3/8	69	118	178	660	Art. 4.3
DTGB164	DTG-B16 044-901	10230011902	16	262	1/2	69	118	186	660	Art. 4.3
DTGB165	DTG-B16 054-901	10230011802	16	262	5/8	69	118	195	660	Art. 4.3
DTGB166	DTG-B16 064-901	10230013102	16	262	3/4	69	118	195	660	Art. 4.3
DTGB303	DTG-B30 034-901	10230015402	30	492	3/8	81	193	253	1550	Art. 4.3
DTGB304	DTG-B30 044-901	10230015502	30	492	1/2	81	193	261	1550	Art. 4.3
DTGB305	DTG-B30 054-901	10230015702	30	492	5/8	81	193	270	1550	Art. 4.3
DTGB306	DTG-B30 064-901	10230015802	30	492	3/4	81	193	270	1550	Art. 4.3
DTGB053	DTG-B30 074-901	10230015602	30	492	7/8	81	193	283	1550	Art. 4.3
DTGB414	DTG-B41 044-901	10230015302	41	672	1/2	94	194	262	2050	Art. 4.3
DTGB415	DTG-B41 054-901	10230015202	41	672	5/8	94	194	271	2050	Art. 4.3

- Note:** 1) Available also as industrial package. Contact Sanhua for more details.
 2) Dimensions are rounded up to integral mm
 3) PED Directive 2014/68/EU





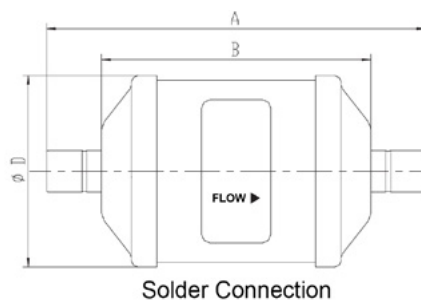
GENERAL CHARACTERISTICS OF DTG-B FILTER - SOLDER CONNECTION

Filter	Model ¹⁾ [inch]	Part Number (multi package) ²⁾ [inch]	Model ¹⁾ [mm]	Part Number (multi package) ²⁾ [mm]	Nominal Volumen		Connection		Dimensions & Weight ³⁾				PED Category ⁴⁾ (Fluid Group 1)
					[inch ³]	[cm ³]	Solder		ØD [mm]	B [mm]	A [mm]	Weight [g]	
							[inch]	[mm]					
DTGF032s	DTG-B03 020-901	10230008302	DTG-B03 061-901	10230008702	3	49	1/4	6	45	65	103	160	Art. 4.3
DTGF0325s	DTG-B03 250-901	10230008402	DTG-B03 250-901	10230008402	3	49	5/16	8	45	65	103	160	Art. 4.3
DTGF033s	DTG-B03 030-901	10230008502	DTG-B03 101-901	10230008802	3	49	3/8	10	45	65	103	160	Art. 4.3
DTGF034s	DTG-B03 040-901	10230008602	DTG-B03 121-901	10230008902	3	49	1/2	12	45	65	113	160	Art. 4.3
DTGF052s	DTG-B05 020-901	10230010202	DTG-B05 061-901	10230010802	5	82	1/4	6	69	76	114	450	Art. 4.3
DTGF0525s	DTG-B05 250-901	10230010402	DTG-B05 250-901	10230010402	5	82	5/16	8	69	76	114	450	Art. 4.3
DTGF053s	DTG-B05 030-901	10230010502	DTG-B05 101-901	10230010902	5	82	3/8	10	69	76	114	450	Art. 4.3
DTGF054s	DTG-B05 040-901	10230010602	DTG-B05 121-901	10230011002	5	82	1/2	12	69	76	124	450	Art. 4.3
DTGF055s	DTG-B05 050-901	10230010702	DTG-B05 050-901	10230010702	5	82	5/8	16	69	76	124	450	Art. 4.3
DTGF082s	DTG-B08 020-901	10230009502	DTG-B08 061-901	10230011302	8	131	1/4	6	69	98	136	550	Art. 4.3
DTGF0825s	DTG-B08 250-901	10230009402	DTG-B08 250-901	10230009402	8	131	5/16	8	69	98	136	550	Art. 4.3
DTGF083s	DTG-B08 030-901	10230009302	DTG-B08 101-901	10230011402	8	131	3/8	10	69	98	136	550	Art. 4.3
DTGF084s	DTG-B08 040-901	10230009602	DTG-B08 121-901	10230011602	8	131	1/2	12	69	98	146	550	Art. 4.3
DTGF085s	DTG-B08 050-901	10230009702	DTG-B08 050-901	10230009702	8	131	5/8	16	69	98	146	550	Art. 4.3
DTGF162s	DTG-B16 020-901	10230012002	DTG-B16 061-901	10230012702	16	262	1/4	6	69	118	156	660	Art. 4.3
DTGF1625s	DTG-B16 250-901	10230012102	DTG-B16 250-901	10230012102	16	262	5/16	8	69	118	156	660	Art. 4.3
DTGF163s	DTG-B16 030-901	10230012202	DTG-B16 101-901	10230012802	16	262	3/8	10	69	118	156	660	Art. 4.3
DTGF164s	DTG-B16 040-901	10230012302	DTG-B16 121-901	10230015902	16	262	1/2	12	69	118	166	660	Art. 4.3
DTGF165s	DTG-B16 050-901	10230012402	DTG-B16 050-901	10230012402	16	262	5/8	16	69	118	166	660	Art. 4.3
DTGF166s	DTG-B16 060-901	10230012502	-	-	16	262	3/4	-	69	118	178	660	Art. 4.3
DTGF167s	DTG-B16 070-901	10230012602	DTG-B16 070-901	10230012602	16	262	7/8	22	69	118	178	660	Art. 4.3
DTGF303s	DTG-B30 030-901	10230013902	DTG-B30 101-901	10230014502	30	492	3/8	10	81	193	231	1550	Art. 4.3
DTGF304s	DTG-B30 040-901	10230014002	DTG-B30 121-901	10230014602	30	492	1/2	12	81	193	241	1550	Art. 4.3
DTGF305s	DTG-B30 050-901	10230014102	DTG-B30 050-901	10230014102	30	492	5/8	16	81	193	241	1550	Art. 4.3
DTGF306s	DTG-B30 060-901	10230014202	-	-	30	492	3/4	-	81	193	253	1550	Art. 4.3
DTGF307s	DTG-B30 070-901	10230014302	DTG-B30 070-901	10230014302	30	492	7/8	22	81	193	253	1550	Art. 4.3
DTGF309s	DTG-B30 090-901	10230014402	DTG-B30 281-901	10230014802	30	492	1 1/8	28	81	193	263	1550	Art. 4.3
DTGF414s	DTG-B41 040-901	10230013202	DTG-B41 121-901	10230013602	41	672	1/2	12	94	194	242	2050	Art. 4.3
DTGF415s	DTG-B41 050-901	10230013302	DTG-B41 050-901	10230013302	41	672	5/8	16	94	194	242	2050	Art. 4.3
DTGF417s	DTG-B41 070-901	10230013402	DTG-B41 070-901	10230013402	41	672	7/8	22	94	194	254	2050	Art. 4.3
DTGF419s	DTG-B41 090-901	10230013502	DTG-B41 281-901	10230013802	41	672	1 1/8	28	94	194	264	2050	Art. 4.3
DTGF757s	DTG-B75 070-901	10230014902	DTG-B75 070-901	10230014902	75	1229	7/8	22	94	333	393	3400	Art. 4.3
DTGF759s	DTG-B75 090-901	10230015002	DTG-B75 281-901	10230015102	75	1229	1 1/8	28	94	333	403	3400	Art. 4.3

Note: * Available also as industrial package. Contact Sanhua for more details.

1) Dimensions are rounded up to integral mm

2) PED Directive 2014/68/EU

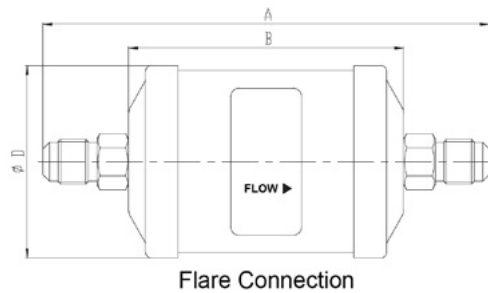




GENERAL CHARACTERISTICS OF DTG-F FILTER - FLARE CONNECTION

Filter	Model ¹⁾	Part Number (multi package) ²⁾	Nominal Volume		Connection	Dimensions & Weight ³⁾				PED Category ⁴⁾ (Fluid Group 2)
			[inch ³]	[cm ³]	SAE Flare	ØD	B	A	Weight	
					[inch]	[mm]	[mm]	[mm]	[g]	
DTGF032	DTG-F03 024-901	10230018002	3	49	1/4	45	65	112	160	Art. 4.3
DTGF033	DTG-F03 034-901	10230017902	3	49	3/8	45	65	125	160	Art. 4.3
DTGF034	DTG-F03 044-901	10230017802	3	49	1/2	45	65	133	160	Art. 4.3
DTGF052	DTG-F05 024-901	10230016802	5	82	1/4	69	76	123	450	Art. 4.3
DTGF053	DTG-F05 034-901	10230016702	5	82	3/8	69	76	136	450	Art. 4.3
DTGF082	DTG-F08 024-901	10230019002	8	131	1/4	69	98	145	550	Art. 4.3
DTGF083	DTG-F08 034-901	10230019102	8	131	3/8	69	98	158	550	Art. 4.3
DTGF084	DTG-F08 044-901	10230019202	8	131	1/2	69	98	166	550	Art. 4.3
DTGF162	DTG-F16 024-901	10230020402	16	262	1/4	69	118	165	660	Art. 4.3
DTGF163	DTG-F16 034-901	10230020502	16	262	3/8	69	118	178	660	Art. 4.3
DTGF164	DTG-F16 044-901	10230020602	16	262	1/2	69	118	186	660	Art. 4.3
DTGF165	DTG-F16 054-901	10230020702	16	262	5/8	69	118	195	660	Art. 4.3
DTGF166	DTG-F16 064-901	10230020802	16	262	3/4	69	118	195	660	Art. 4.3
DTGF303	DTG-F30 034-901	10230021902	30	492	3/8	81	193	253	1550	Art. 4.3
DTGF304	DTG-F30 044-901	10230022002	30	492	1/2	81	193	261	1550	Art. 4.3
DTGF305	DTG-F30 054-901	10230022102	30	492	5/8	81	193	270	1550	Art. 4.3
DTGF306	DTG-F30 064-901	10230022202	30	492	3/4	81	193	270	1550	Art. 4.3
DTGF307	DTG-F30 074-901	10230022302	30	492	7/8	81	193	283	1550	Art. 4.3
DTGF414	DTG-F41 044-901	10230031402	41	672	1/2	94	194	262	2050	Art. 4.3
DTGF414	DTG-F41 054-901	10230031502	41	672	5/8	94	194	271	2050	Art. 4.3

- Note:** 1) Available also as industrial package. Contact Sanhua for more details.
 2) Delivery time on request
 3) Dimensions are rounded up to integral mm
 4) PED Directive 2016/68/EU. Category evaluated considering product as a “vessel”

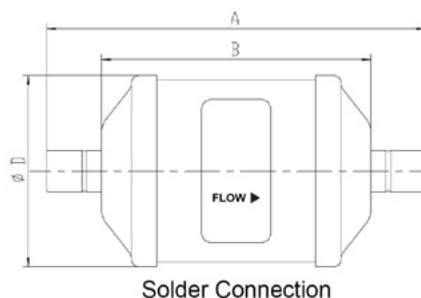




GENERAL CHARACTERISTICS OF DTG-F FILTER - SOLDER CONNECTION

Filter	Model ¹⁾ [inch]	Part Number (multi package) ²⁾ [inch]	Model ¹⁾ [mm]	Part Number (multi package) ²⁾ [mm]	Nominal Volumen		Connection		Dimensions & Weight ³⁾				PED Category ⁴⁾ (Fluid Group 1)
							Solder		ØD	B	A	Weight	
					[inch ³]	[cm ³]	[inch]	[mm]	[mm]	[mm]	[mm]	[g]	
DTGF032s	DTG-F03 020-901	10230016102	DTG-F03 061-901	10230016502	3	49	1/4	6	45	65	103	160	Art. 4.3
DTGF0325s	DTG-F03 250-901	10230016202	DTG-F03 250-901	10230016202	3	49	5/16	8	45	65	103	160	Art. 4.3
DTGF033s	DTG-F03 030-901	10230016302	DTG-F03 101-901	10230016602	3	49	3/8	10	45	65	103	160	Art. 4.3
DTGF034s	DTG-F03 040-901	10230016402	DTG-F03 121-901	10230016002	3	49	1/2	12	45	65	113	160	Art. 4.3
DTGF052s	DTG-F05 020-901	10230017702	DTG-F05 061-901	10230017202	5	82	1/4	6	69	76	114	450	Art. 4.3
DTGF0525s	DTG-F05 250-901	10230017602	DTG-F05 250-901	10230017602	5	82	5/16	8	69	76	114	450	Art. 4.3
DTGF053s	DTG-F05 030-901	10230017502	DTG-F05 101-901	10230017102	5	82	3/8	10	69	76	114	450	Art. 4.3
DTGF054s	DTG-F05 040-901	10230017402	DTG-F05 121-901	10230017002	5	82	1/2	12	69	76	124	450	Art. 4.3
DTGF055s	DTG-F05 050-901	10230017302	DTG-F05 050-901	10230017302	5	82	5/8	16	69	76	124	450	Art. 4.3
DTGF082s	DTG-F08 020-901	10230018102	DTG-F08 061-901	10230018602	8	131	1/4	6	69	98	136	550	Art. 4.3
DTGF0825s	DTG-F08 250-901	10230018202	DTG-F08 250-901	10230018202	8	131	5/16	8	69	98	136	550	Art. 4.3
DTGF083s	DTG-F08 030-901	10230018302	DTG-F08 101-901	10230018702	8	131	3/8	10	69	98	136	550	Art. 4.3
DTGF084s	DTG-F08 040-901	10230018402	DTG-F08 121-901	10230018802	8	131	1/2	12	69	98	146	550	Art. 4.3
DTGF085s	DTG-F08 050-901	10230018502	DTG-F08 050-901	10230018502	8	131	5/8	16	69	98	146	550	Art. 4.3
DTGF162s	DTG-F16 020-901	10230019302	DTG-F16 061-901	10230020002	16	262	1/4	6	69	118	156	660	Art. 4.3
DTGF1625s	DTG-F16 250-901	10230019402	DTG-F16 250-901	10230019402	16	262	5/16	8	69	118	156	660	Art. 4.3
DTGF163s	DTG-F16 030-901	10230019502	DTG-F16 101-901	10230020102	16	262	3/8	10	69	118	156	660	Art. 4.3
DTGF164s	DTG-F16 040-901	10230019602	DTG-F16 121-901	10230020202	16	262	1/2	12	69	118	166	660	Art. 4.3
DTGF165s	DTG-F16 050-901	10230019702	DTG-F16 050-901	10230019702	16	262	5/8	16	69	118	166	660	Art. 4.3
DTGF166s	DTG-F16 060-901	10230019802	-	-	16	262	3/4	-	69	118	178	660	Art. 4.3
DTGF167s	DTG-F16 070-901	10230019902	DTG-F16 070-901	10230019902	16	262	7/8	22	69	118	178	660	Art. 4.3
DTGF303s	DTG-F30 030-901	10230020902	DTG-F30 101-901	10230021502	30	492	3/8	10	81	193	231	1550	Art. 4.3
DTGF304s	DTG-F30 040-901	10230021002	DTG-F30 121-901	10230021602	30	492	1/2	12	81	193	241	1550	Art. 4.3
DTGF305s	DTG-F30 050-901	10230021102	DTG-F30 050-901	10230021102	30	492	5/8	16	81	193	241	1550	Art. 4.3
DTGF306s	DTG-F30 060-901	10230021202	-	-	30	492	3/4	-	81	193	253	1550	Art. 4.3
DTGF307s	DTG-F30 070-901	10230021302	DTG-F30 070-901	10230021302	30	492	7/8	22	81	193	253	1550	Art. 4.3
DTGF309s	DTG-F30 090-901	10230021402	DTG-F30 281-901	10230021802	30	492	1 1/8	28	81	193	263	1550	Art. 4.3
DTGF414s	DTG-F41 040-901	10230022402	DTG-F41 121-901	10230022802	41	672	1/2	12	94	194	242	2050	Art. 4.3
DTGF415s	DTG-F41 050-901	10230022502	DTG-F41 050-901	10230022502	41	672	5/8	16	94	194	242	2050	Art. 4.3
DTGF417s	DTG-F41 070-901	10230022602	DTG-F41 070-901	10230022602	41	672	7/8	22	94	194	254	2050	Art. 4.3
DTGF419s	DTG-F41 090-901	10230022702	DTG-F41 281-901	10230023002	41	672	1 1/8	28	94	194	264	2050	Art. 4.3
DTGF757s	DTG-F75 070-901	10230023102	DTG-F75 070-901	10230023102	75	1229	7/8	22	94	333	393	3400	Art. 4.3
DTGF759s	DTG-F75 090-901	10230031102	DTG-F75 281-901	10230023302	75	1229	1 1/8	28	94	333	403	3400	Art. 4.3

- Note:**
- 1) Available also as industrial package. Contact Sanhua for more details.
 - 2) Delivery time on request
 - 3) Dimensions are rounded up to integral mm
 - 4) PED Directive 2016/68/EU. Category evaluated considering product as a “vessel”





SELECTION TABLE

Model	Capacity [kW] ^{1) 3)}					Moisture Absorption (gram H ₂ O)									
	R134a	R404A	R22	R407C ²	R410A	R134a		R404A		R407C ²		R22			
		R507A				75°F	125°F	75°F	125°F	R410A		75°F	125°F		
										23,9°C	51,7°C			23,9°C	51,7°C
DTGB032s	7,7	6,7	8,1	8,1	8,1	4,2	3,8	5,7	3,4	3,4	3,1	3,7	3,4		
DTGB0325s	9,5	6,7	9,8	9,8	9,8	4,2	3,8	5,7	3,4	3,4	3,1	3,7	3,4		
DTGB033s	12,3	8,8	12,7	12,7	12,7	4,2	3,8	5,7	3,4	3,4	3,1	3,7	3,4		
DTGB034s	24,6	17,2	25,0	25,0	25,0	4,2	3,8	5,7	3,4	3,4	3,1	3,7	3,4		
DTGB052s	9,5	6,0	9,1	9,1	9,1	11,6	10,9	10,9	8,9	10,9	9,5	11,4	9,7		
DTGB0525s	9,5	6,7	9,8	9,8	9,8	11,6	10,9	10,9	8,9	10,9	9,5	11,4	9,7		
DTGB053s	20,0	14,1	20,8	20,8	20,8	11,6	10,9	10,9	8,9	10,9	9,5	11,4	9,7		
DTGB054s	25,3	17,9	25,7	25,7	25,7	11,6	10,9	10,9	8,9	10,9	9,5	11,4	9,7		
DTGB055s	34,8	24,6	35,5	35,5	35,5	11,6	10,9	10,9	8,9	10,9	9,5	11,4	9,7		
DTGB082s	9,1	6,3	9,5	9,5	9,5	14,8	14,2	16,3	13,4	14,8	13,0	15,5	13,1		
DTGB0825s	10,6	7,4	10,9	10,9	10,9	14,8	14,2	16,3	13,4	14,8	13,0	15,5	13,1		
DTGB083s	21,5	15,1	22,2	22,2	22,2	14,8	14,2	16,3	13,4	14,8	13,0	15,5	13,1		
DTGB084s	25,7	17,9	26,4	26,4	26,4	14,8	14,2	16,3	13,4	14,8	13,0	15,5	13,1		
DTGB085s	44,7	31,7	46,1	46,1	46,1	14,8	14,2	16,3	13,4	14,8	13,0	15,5	13,1		
DTGB162s	10,9	7,7	11,3	11,3	11,3	20,6	19,5	33,2	18,3	20,6	17,6	20,9	17,7		
DTGB1625s	10,6	7,4	10,9	10,9	10,9	20,6	19,5	33,2	18,3	20,6	17,6	20,9	17,7		
DTGB163s	21,5	15,1	22,2	22,2	22,2	20,6	19,5	33,2	18,3	20,6	17,6	20,9	17,7		
DTGB164s	27,8	19,3	28,8	28,8	28,8	20,6	19,5	33,2	18,3	20,6	17,6	20,9	17,7		
DTGB165s	43,3	30,6	44,3	44,3	44,3	20,6	19,5	33,2	18,3	20,6	17,6	20,9	17,7		
DTGB166s	46,4	32,7	47,8	47,8	47,8	20,6	19,5	33,2	18,3	20,6	17,6	20,9	17,7		
DTGB167s	47,1	33,4	48,5	48,5	48,5	20,6	19,5	33,2	18,3	20,6	17,6	20,9	17,7		
DTGB303s	25,7	17,9	26,4	26,4	26,4	51,4	48,7	83,4	51,4	51,3	43,7	52,1	44,1		
DTGB304s	33,1	23,2	34,1	34,1	34,1	51,4	48,7	83,4	51,4	51,3	43,7	52,1	44,1		
DTGB305s	45,7	32,0	46,8	46,8	46,8	51,4	48,7	83,4	51,4	51,3	43,7	52,1	44,1		
DTGB306s	62,6	44,0	64,4	64,4	64,4	51,4	48,7	83,4	51,4	51,3	43,7	52,1	44,1		
DTGB307s	63,0	44,3	64,7	64,7	64,7	51,4	48,7	83,4	51,4	51,3	43,7	52,1	44,1		
DTGB309s	70,0	49,2	72,5	72,5	72,5	51,4	48,7	83,4	51,4	51,3	43,7	52,1	44,1		
DTGB414s	35,2	24,6	36,2	36,2	36,2	63,7	59,7	103,5	55,7	63,7	58,9	70,2	59,4		
DTGB415s	60,8	42,9	61,9	61,9	62,9	63,7	59,7	103,5	55,7	63,7	58,9	70,2	59,4		
DTGB417s	90,4	63,7	92,5	92,5	92,5	63,7	59,7	103,5	55,7	63,7	58,9	70,2	59,4		
DTGB419s	92,1	64,7	94,6	94,6	94,6	63,7	59,7	103,5	55,7	63,7	58,9	70,2	59,4		
DTGB757s	91,4	64,0	93,9	93,9	93,9	123,3	115,6	200,3	107,9	123,3	114,0	135,8	114,9		
DTGB759s	95,3	67,2	98,1	98,1	98,1	123,3	115,6	200,3	107,9	123,3	114,0	135,8	114,9		

- Note:**
- 1) the above data is based on clean system at ideal conditions: with impurities, accumulated in the filter, the capacity may decrease
 - 2) R407C capacity is based on dew point conditions
 - 3) given capacity is for all available types of connection for the same model: flare/solder [inch] and equivalent solder [mm]



SELECTION TABLE

Model	Capacity ^{1) 2)} [kW]						
	R407A	R407F	R448A	R449A	R452A	R450A	R513A
DTGB032	7,27	8,02	7,29	7,20	5,52	7,04	6,28
DTGB0325	8,81	9,72	8,83	8,72	6,68	8,53	7,61
DTGB033	11,47	12,64	11,50	11,35	8,7	11,10	9,90
DTGB034	22,55	24,86	22,61	22,32	17,10	21,82	19,48
DTGB052	8,24	9,08	8,26	8,15	6,25	7,97	7,11
DTGB0525	8,85	9,76	8,87	8,76	6,71	8,57	7,64
DTGB053	18,78	20,70	18,83	18,59	14,24	18,17	16,22
DTGB054	23,17	25,54	23,22	22,93	17,57	22,42	20,01
DTGB055	32,02	35,30	32,10	31,69	24,28	30,99	27,65
DTGB082	8,58	9,46	8,60	8,49	6,51	8,31	7,41
DTGB0825	9,85	10,86	9,88	9,75	7,47	9,53	8,51
DTGB083	20,01	22,06	20,06	19,80	15,18	19,37	17,28
DTGB084	23,83	26,26	23,88	23,58	18,07	23,05	20,57
DTGB085	41,53	45,78	41,63	41,09	31,49	40,19	35,86
DTGB162	10,20	11,24	10,22	10,09	7,73	9,87	8,81
DTGB1625	9,85	10,86	9,88	9,75	7,47	9,53	8,51
DTGB163	20,01	22,06	20,06	19,80	15,18	19,37	17,28
DTGB164	25,98	28,64	26,04	25,71	19,70	25,14	22,43
DTGB165	39,95	44,04	40,05	39,53	30,29	38,66	34,50
DTGB166	43,07	47,48	43,17	42,62	32,66	41,68	37,19
DTGB167	43,69	48,16	43,79	43,23	33,13	42,27	37,72
DTGB303	23,83	26,26	23,88	23,58	18,07	23,05	20,57
DTGB304	30,79	33,94	30,86	30,47	23,35	29,79	26,59
DTGB305	42,15	46,46	42,24	41,70	31,96	40,78	36,39
DTGB306	58,04	63,98	58,18	57,43	44,01	56,16	50,12
DTGB307	58,31	64,28	58,45	57,70	44,22	56,42	50,35
DTGB309	65,36	72,04	65,51	64,67	49,56	63,24	56,43
DTGB414	32,64	35,98	32,72	32,30	24,75	31,58	28,18
DTGB415	55,77	61,48	55,90	55,19	42,29	53,97	48,16
DTGB417	83,21	91,73	83,41	82,34	63,10	80,52	71,85
DTGB419	85,22	93,93	85,41	84,32	64,62	82,46	73,58
DTGB757	84,60	93,26	84,80	83,71	64,15	81,86	73,05
DTGB759	88,37	97,41	88,58	87,44	67,01	85,51	76,31

- Note:** 1) the above data is based on filter driers with inch connections and clean system at ideal conditions: with impurities accumulated in the filter, the capacity may decrease
 2) given capacity is for all available types of connection for the same model: flare/solder [inch] and equivalent solder [mm]

SELECTION FORMULAS

Filter Driers for liquid line are manufactured in compliance with ARI Standard 710. Maximum flow rate of liquid refrigerant at a differential pressure of 0,07bar (1psi) is indicated by kW (ton) which is based on the temperature of liquid refrigerant 30°C (86°F), the evaporating temperature of -15°C (5°F) and the following mass flow:

- 0,40 kg/min/kW (3.1 lb/min/ton) R134a
- 0,53 kg/min/kW (4.1 lb/min/ton) R404A, R507A
- 0,39 kg/min/kW (3.0 lb/min/ton) R22, R407C
- 0,36 kg/min/kW (2.8 lb/min/ton) R410A

Note: Data on water absorption is based on the following EPD (method: ASHRAE Standard 63.1):

- 60ppm R22
- 50ppm R134a
- 50ppm R404A
- 50ppm R407C
- 50ppm R410A
- 50ppm R507A

STG SERIES**BI-FLOW
FILTER DRIERS**

(GreenTech range: for fluids GROUP 1 according to Directive 2014/68/EU or GROUP A3/A2L according to ANSI-ASHRAE 34-2016)

**FEATURES**

- HIGH EFFICIENT IN MOISTURE ABSORPTION, FILTERING IMPURITY, ACID, PAINT REMAINS AND MUD REMOVAL
- HYBRID DESICCANT
- DURABLE AND SOLID FILTER CORES
- FILTERING FINENESS: 20µm
- CORROSION RESISTANT PAINTING CAN SURVIVE SALT SPRAY TEST OF 500 HOURS
- CONNECTION TYPE: SOLDER

GENERAL SPECIFICATIONS

- Applicable for HC, HFC, HFO refrigerants such as: R290, R1234ze(E), R1234yf, R447A, R452B, R454B, R454C
- Ambient temperature min./max.: -30°C / +70°C
- Medium temperature TS min./max.: -30°C / +120°C
- Max. operating pressure PS: 4,83 MPa (48,3 bar)
- Installation position: preferably installed in liquid line
- Certifications: UL/CSA and PED declaration (all products have been covered by Art.4.3 PED Directive 2014/68/EU)

TECHNICAL PARAMETERS *Desiccant Selection Table*

	Medium Type	80% 3Å Desiccant and 20% Active Alumina	100% 3Å Desiccant
Refrigerant	HC	Applicable	Applicable
	HFC	Applicable	Applicable
	HFO	Applicable	Applicable
Oil ³	Mineral oil or AB	Applicable	Applicable
	Pure POE or PAG	Applicable	Applicable
	POE or PAG with additive	Not Applicable	Applicable

Note: When the systems use oil with additive, it is not recommended to use a core with alumina



Model Designation Legend

1	Product Code	Filter Drier Series	
	STG	Indicates bidirectional filter drier	
2	Filter Core	Structure and Material	
	B	Solid core, 100%3Å desiccant	
	F	Solid core, 80% 3Å desiccant and 20% active alumina	
3	Internal Volume	Expressed in [inch ³]	Expressed in [cm ³]
	03	3	49
	05	5	82
	08	8	131
	16	16	262
	30	30	492
4	Connection Size	Pos. 5 shows "0": Solder [inch]	
	02	1/4	
	25	5/16	
	03	3/8	
	04	1/2	
	05	5/8	
	06	3/4	
	07	7/8	
	09	1 1/8	
	Connection Size	Pos. 5 shows "1": Solder [mm]	
	06	6	
	(08) *	(5/16" version can be used e.g. STG-B08 250)	
	10	10	
	12	12	
	(16) *	(5/8" version can be used e.g. STG-B16 050)	
	(22) *	(7/8" version can be used e.g. STG-B16 070)	
	28	28	
5	Pipe Connection	Type	
	0	Solder with inch connections	
	1 *	Solder with metric connections	
6	Version Number	Description	
	901	Standard product	

Note: * Solder connections which fit to metric and inch are marked with inch product codes e.g. 8, 16 and 22 mm.



MODEL DESIGNATION EXAMPLE

Position Number						According to Model Designation Legend
1	2	3	4	5	6	
STG	B	05	06	1	901	Bidirectional filter drier
STG	B	05	06	1	901	Solid filter core with 100% 3Å desiccant
STG	B	05	06	1	901	3 inch ³ internal volume
STG	B	05	06	1	901	When Pos. 5 is "1": connection size 6mm
STG	B	05	06	1	901	Solder connection metric
STG	B	05	06	1	901	Standard product

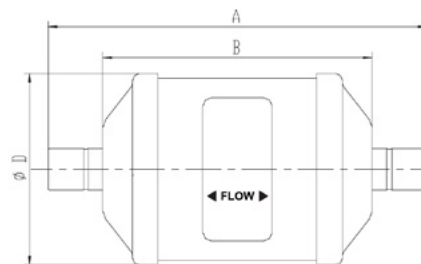
GENERAL CHARACTERISTICS OF STG-B FILTER - SOLDER CONNECTION

Filter	Model [inch]	Part Number (multi package)* [inch]	Model [mm]	Part Number (multi package)* [mm]	Nominal Volume		Connection		Dimensions & Weight ¹⁾				PED Category ²⁾
					[inch ³]	[cm ³]	Solder		ØD [mm]	B [mm]	A [mm]	Weight [g]	
							[inch]	[mm]					
STGB052s	STG-B05 020-901	10235005902	STG-B05 061-901	10235007602	5	82	1/4	6	69	76	114	450	Art. 4.3
STGB053s	STG-B05 030-901	10235006002	STG-B05 101-901	10235007802	5	82	3/8	10	69	76	114	450	Art. 4.3
STGB054s	STG-B05 040-901	10235006102	STG-B05 121-901	10235007902	5	82	1/2	12	69	76	124	450	Art. 4.3
STGB082s	STG-B08 020-901	10235006202	STG-B08 061-901	10235007702	8	131	1/4	6	69	98	136	580	Art. 4.3
STGB0825s	STG-B08 250-901	10235007402	STG-B08 250-901	10235007402	8	131	5/16	8	69	98	136	580	Art. 4.3
STGB083s	STG-B08 030-901	10235006302	STG-B08 101-901	10235008002	8	131	3/8	10	69	98	136	580	Art. 4.3
STGB084s	STG-B08 040-901	10235006402	STG-B08 121-901	10235008102	8	131	1/2	12	69	98	146	580	Art. 4.3
STGB163s	STG-B16 030-901	10235006602	STG-B16 101-901	10235008202	16	262	3/8	10	81	118	156	900	Art. 4.3
STGB164s	STG-B16 040-901	10235006502	STG-B16 121-901	10235008402	16	262	1/2	12	81	118	166	900	Art. 4.3
STGB165s	STG-B16 050-901	10235006702	STG-B16 050-901	10235006702	16	262	5/8	16	81	118	166	900	Art. 4.3
STGB167s	STG-B16 070-901	10235006802	STG-B16 070-901	10235006802	16	262	7/8	22	81	118	178	900	Art. 4.3
STGB303s	STG-B30 030-901	10235006902	STG-B30 101-901	10235008302	30	492	3/8	10	81	193	231	1700	Art. 4.3
STGB304s	STG-B30 040-901	10235007002	STG-B30 121-901	10235008502	30	492	1/2	12	81	193	241	1700	Art. 4.3
STGB305s	STG-B30 050-901	10235007102	STG-B30 050-901	10235007102	30	492	5/8	16	81	193	241	1700	Art. 4.3
STGB306s	STG-B30 060-901	10235007202	-	-	30	492	3/4	-	81	193	253	1700	Art. 4.3
STGB307s	STG-B30 070-901	10235007302	STG-B30 070-901	10235007302	30	492	7/8	22	81	193	253	1700	Art. 4.3
STGB309s	STG-B30 090-901	10235007502	STG-B30 281-901	10235010202	30	492	1 1/8	28	81	193	263	1700	Art. 4.3

Note: * Available also as industrial package. Contact Sanhua for more details.

1) Dimensions are rounded up to integral mm

2) PED Directive 2014/68/EU. Category evaluated considering product as a "vessel"



Solder Connection

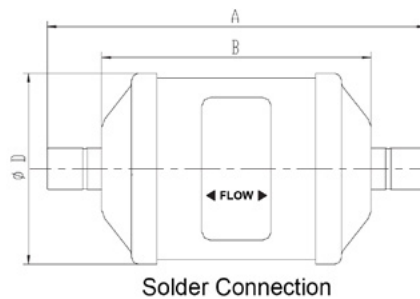


GENERAL CHARACTERISTICS OF STG-F FILTER - SOLDER CONNECTION

Filter	Model ¹⁾ [inch]	Part Number (multi package)* [inch]	Model ¹⁾ [mm]	Part Number (multi package)* [mm]	Nominal Volumen		Connection		Dimensions & Weight ²⁾				PED Category ³⁾
					[inch ³]	[cm ³]	Solder		ØD [mm]	B [mm]	A [mm]	Weight [g]	
							[inch]	[mm]					
STGF052s	STG-F05 020-901	10235010302	STG-F05 061-901	10235010602	5	82	1/4	6	69	76	114	450	Art. 4.3
STGF053s	STG-F05 030-901	10235010402	STG-F05 101-901	10235010702	5	82	3/8	10	69	76	114	450	Art. 4.3
STGF054s	STG-F05 040-901	10235010502	STG-F05 121-901	10235010802	5	82	1/2	12	69	76	124	450	Art. 4.3
STGF082s	STG-F08 020-901	10235011202	STG-F08 061-901	10235011602	8	131	1/4	6	69	98	136	580	Art. 4.3
STGF0825s	STG-F08 250-901	10235011302	STG-F08 250-901	10235011302	8	131	5/16	8	69	98	136	580	Art. 4.3
STGF083s	STG-F08 030-901	10235011402	STG-F08 101-901	10235011702	8	131	3/8	10	69	98	136	580	Art. 4.3
STGF084s	STG-F08 040-901	10235011502	STG-F08 121-901	10235011802	8	131	1/2	12	69	98	146	580	Art. 4.3
STGF163s	STG-F16 030-901	10235012202	STG-F16 101-901	10235012602	16	262	3/8	10	81	118	156	900	Art. 4.3
STGF164s	STG-F16 040-901	10235012302	STG-F16 121-901	10235012702	16	262	1/2	12	81	118	166	900	Art. 4.3
STGF165s	STG-F16 050-901	10235012402	STG-F16 050-901	10235012402	16	262	5/8	16	81	118	166	900	Art. 4.3
STGF167s	STG-F16 070-901	10235012502	STG-F16 070-901	10235012502	16	262	7/8	22	81	118	178	900	Art. 4.3
STGF303s	STG-F30 030-901	10235013902	STG-F30 101-901	10235013102	30	492	3/8	10	81	193	231	1700	Art. 4.3
STGF304s	STG-F30 040-901	10235014002	STG-F30 121-901	10235013202	30	492	1/2	12	81	193	241	1700	Art. 4.3
STGF305s	STG-F30 050-901	10235014102	STG-F30 050-901	10235014102	30	492	5/8	16	81	193	241	1700	Art. 4.3
STGF306s	STG-F30 060-901	10235014202	-	-	30	492	3/4	-	81	193	253	1700	Art. 4.3
STGF307s	STG-F30 070-901	10235012902	STG-F30 070-901	10235012902	30	492	7/8	22	81	193	253	1700	Art. 4.3
STGF309s	STG-F30 090-901	10235013002	STG-F30 281-901	10235013402	30	492	1 1/8	28	81	193	263	1700	Art. 4.3

Note: * Available also as industrial package. Contact Sanhua for more details.

- 1) Delivery time on request
- 2) Dimensions are rounded up to integral mm
- 3) PED Directive 2014/68/EU. Category evaluated considering product as a “vessel”





SELECTION TABLE

Model	Capacity ^{1) 2)} [kW]		
	R290	R1234yf	R1234ze(E)
STGB052s	9	5.45	6.6
STGB053s	20.1	12.1	14.7
STGB054s	30.4	18.4	22.3
STGB082s	10.7	6.45	7.85
STGB0825s	19.2	11.6	14.1
STGB083s	21	12.6	15.3
STGB084s	31.2	18.85	23
STGB163s	24	14.5	17.6
STGB164s	36.8	22.2	27
STGB165s	41.6	25	30.4
STGB167s	51.4	31	37.6
STGB303s	30.4	18.4	22.3
STGB304s	37.6	22.7	27.5
STGB305s	43.2	26	31.6
STGB306s	48.3	29	35.2
STGB307s	56.6	34	41.4
STGB309s	66	39.8	48.3

SELECTION TABLE

Model	Capacity ^{1) 2)} [kW]		
	R290	R1234yf	R1234ze(E)
STGF052s	9	5.45	6.6
STGF053s	20.1	12.1	14.7
STGF054s	30.4	18.4	22.3
STGF082s	10.7	6.45	7.85
STGF0825s	19.2	11.6	14.1
STGF083s	21	12.6	15.3
STGF084s	31.2	18.85	23
STGF163s	24	14.5	17.6
STGF164s	36.8	22.2	27
STGF165s	41.6	25	30.4
STGF167s	51.4	31	37.6
STGF303s	30.4	18.4	22.3
STGF304s	37.6	22.7	27.5
STGF305s	43.2	26	31.6
STGF306s	48.3	29	35.2
STGF307s	56.6	34	41.4
STGF309s	66	39.8	48.3

Note: 1) the above data is based on clean system at ideal conditions; with impurities, accumulated in the filter, the capacity may decrease
 2) given capacity is for all available types of connection for the same model: solder [inch] and equivalent solder [mm]

SELECTION FORMULAS

Filter Driers for liquid line are manufactured in compliance with ARI Standard 710. Flow rate of liquid refrigerant at a differential pressure of 0,07bar (1psi) is indicated by kW which is based on the temperature of liquid refrigerant 30°C (86°F), the evaporating temperature of refrigerant is -15°C (5°F).

STG SERIES

BI-FLOW FILTER DRIERS



(Standard range: for fluids GROUP 2 according to Directive 2014/68/EU or GROUP A1 according to ANSI-ASHRAE 34-2016)

The filter driers of series STG are used in refrigeration system with bidirectional flow to absorb moisture and acid in the system and to filter out the impurities.

FEATURES

- HIGH EFFICIENT IN MOISTURE ABSORPTION, FILTERING IMPURITY, ACID, PAINT REMAINS AND MUD REMOVAL
- HYBRID DESICCANT
- DURABLE AND SOLID FILTER CORES
- FILTERING FINENESS: 20µm
- CORROSION RESISTANT PAINTING CAN SURVIVE SALT SPRAY TEST OF 500 HOURS
- CONNECTION TYPE: FLARE OR SOLDER

GENERAL SPECIFICATIONS

- Applicable for all common HCFC, HFC, HFO refrigerants such as: R22, R134a, R404A, R407C, R410A, R507, R407A/F, R448A/R449A, R452A, R450A/R513A
- Ambient temperature min./max.: -30°C / +70°C
- Medium temperature TS min./max.: -30°C / +120°C
- Max. operating pressure PS: 4,83 MPa (48,3 bar)
- Installation position: preferably installed in liquid line
- Certifications: UL/CSA and PED declaration

TECNHICAL PARAMETERS *Desiccant Selection Table*

	Medium Type	80% 3Å Desiccant and 20% Active Alumina	100% 3Å Desiccant
Refrigerant	HFC	Applicable	Applicable
	HCFC	Applicable	Applicable
	HC	Applicable	Applicable
Oil ³	Mineral oil or AB	Applicable	Applicable
	Pure POE or PAG	Applicable	Applicable
	POE or PAG with additive	Not Applicable	Applicable

Note: When the systems use oil with additive, it is not recommended to use a core with alumina



Model Designation Legend

1	Product Code	Filter Drier Series	
	STG	Indicates bidirectional filter drier	
2	Filter Core	Structure and Material	
	B	Solid core, 100%3Å desiccant	
	F	Solid core, 80% 3Å desiccant and 20% active alumina	
3	Internal Volume	Expressed in [inch³]	Expressed in [cm³]
	03	3	49
	05	5	82
	08	8	131
	16	16	262
	30	30	492
	4	Connection Size	Pos. 5 shows "0": Solder [inch]
02		1/4	1/4
25		5/16	-
03		3/8	3/8
04		1/2	1/2
05		5/8	5/8
06		3/4	3/4
07		7/8	7/8
09		1 1/8	-
Connection Size		Pos. 5 shows "1": Solder [mm]	
06		6	
(08) *		(5/16" version can be used e.g. STG-B08 250)	
10		10	
12		12	
(16) *		(5/8" version can be used e.g. STG-B16 050)	
(22) *		(7/8" version can be used e.g. STG-B16 070)	
28		28	
5	Pipe Connection	Type	
	0	Solder with inch connections	
	1 *	Solder with metric connections	
	4	SAE flare connections	
6	Version Number	Description	
	901	Standard product	

Note: * Solder connections which fit to metric and inch are marked with inch product codes e.g. 8, 16 and 22 mm.



MODEL DESIGNATION EXAMPLE

Position Number						According to Model Designation Legend
1	2	3	4	5	6	
STG	B	05	06	1	901	Bidirectional filter drier
STG	B	05	06	1	901	Solid filter core with 100% 3Å desiccant
STG	B	05	06	1	901	5 inch ³ internal volume
STG	B	05	06	1	901	When Pos. 5 is "1": connection size 6mm
STG	B	05	06	1	901	Solder connection metric
STG	B	05	06	1	901	Standard product

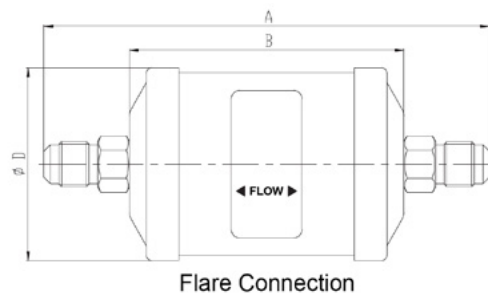
GENERAL CHARACTERISTICS OF STG-B FILTER - FLARE CONNECTION

Filter	Model	Part Number (multi package)*	Nominal Volume		Connection	Dimensions & Weight ¹⁾				PED Category ²⁾
			[inch ³]	[cm ³]	SAE Flare	ØD	B	A	Weight	
					[inch]	[mm]	[mm]	[mm]	[g]	
STGB052	STG-B05 024-901	10235009002	5	82	1/4	69	76	123	450	Art. 4.3
STGB053	STG-B05 034-901	10235009102	5	82	3/8	69	76	137	450	Art. 4.3
STGB054	STG-B05 044-901	10235009202	5	82	1/2	69	76	145	450	Art. 4.3
STGB082	STG-B08 024-901	10235008702	8	131	1/4	69	98	145	580	Art. 4.3
STGB083	STG-B08 034-901	10235008802	8	131	3/8	69	98	159	580	Art. 4.3
STGB084	STG-B08 044-901	10235008902	8	131	1/2	69	98	167	580	Art. 4.3
STGB163	STG-B16 034-901	10235009302	16	262	3/8	81	118	179	900	Art. 4.3
STGB164	STG-B16 044-901	10235009402	16	262	1/2	81	118	187	900	Art. 4.3
STGB165	STG-B16 054-901	10235008602	16	262	5/8	81	118	196	900	Art. 4.3
STGB303	STG-B30 034-901	10235009502	30	492	3/8	81	193	254	1700	Art. 4.3
STGB304	STG-B30 044-901	10235009602	30	492	1/2	81	193	262	1700	Art. 4.3
STGB305	STG-B30 054-901	10235009702	30	492	5/8	81	193	271	1700	Art. 4.3
STGB306	STG-B30 064-901	10235009802	30	492	3/4	81	193	271	1700	Art. 4.3

Note: * Available also as industrial package. Contact Sanhua for more details.

1) Dimensions are rounded up to integral mm

2) PED Directive 2014/68/EU





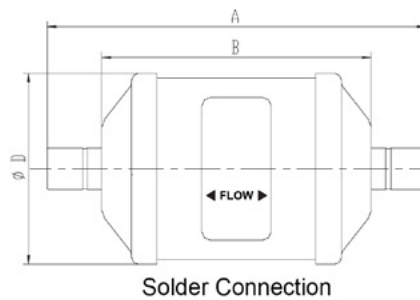
GENERAL CHARACTERISTICS OF STG-B FILTER - SOLDER CONNECTION

Filter	Model [inch]	Part Number (multi package)* [inch]	Model [mm]	Part Number (multi package)* [mm]	Nominal Volume		Connection		Dimensions & Weight ¹⁾				PED Category ²⁾
							Solder		ØD	B	A	Weight	
					[inch ³]	[cm ³]	[inch]	[mm]	[mm]	[mm]	[mm]	[g]	
STGB052s	STG-B05 020-901	10235005902	STG-B05 061-901	10235007602	5	82	1/4	6	69	76	114	450	Art. 4.3
STGB053s	STG-B05 030-901	10235006002	STG-B05 101-901	10235007802	5	82	3/8	10	69	76	114	450	Art. 4.3
STGB054s	STG-B05 040-901	10235006102	STG-B05 121-901	10235007902	5	82	1/2	12	69	76	124	450	Art. 4.3
STGB082s	STG-B08 020-901	10235006202	STG-B08 061-901	10235007702	8	131	1/4	6	69	98	136	580	Art. 4.3
STGB0825s	STG-B08 250-901	10235007402	STG-B08 250-901	10235007402	8	131	5/16	8	69	98	136	580	Art. 4.3
STGB083s	STG-B08 030-901	10235006302	STG-B08 101-901	10235008002	8	131	3/8	10	69	98	136	580	Art. 4.3
STGB084s	STG-B08 040-901	10235006402	STG-B08 121-901	10235008102	8	131	1/2	12	69	98	146	580	Art. 4.3
STGB163s	STG-B16 030-901	10235006602	STG-B16 101-901	10235008202	16	262	3/8	10	81	118	156	900	Art. 4.3
STGB164s	STG-B16 040-901	10235006502	STG-B16 121-901	10235008402	16	262	1/2	12	81	118	166	900	Art. 4.3
STGB165s	STG-B16 050-901	10235006702	STG-B16 050-901	10235006702	16	262	5/8	16	81	118	166	900	Art. 4.3
STGB167s	STG-B16 070-901	10235006802	STG-B16 070-901	10235006802	16	262	7/8	22	81	118	178	900	Art. 4.3
STGB303s	STG-B30 030-901	10235006902	STG-B30 101-901	10235008302	30	492	3/8	10	81	193	231	1700	Art. 4.3
STGB304s	STG-B30 040-901	10235007002	STG-B30 121-901	10235008502	30	492	1/2	12	81	193	241	1700	Art. 4.3
STGB305s	STG-B30 050-901	10235007102	STG-B30 050-901	10235007102	30	492	5/8	16	81	193	241	1700	Art. 4.3
STGB306s	STG-B30 060-901	10235007202	-	-	30	492	3/4	-	81	193	253	1700	Art. 4.3
STGB307s	STG-B30 070-901	10235007302	STG-B30 070-901	10235007302	30	492	7/8	22	81	193	253	1700	Art. 4.3
STGB309s	STG-B30 090-901	10235007502	STG-B30 281-901	10235010202	30	492	1 1/8	28	81	193	263	1700	Art. 4.3

Note: * Available also as industrial package. Contact Sanhua for more details.

1) Dimensions are rounded up to integral mm

2) PED Directive 2014/68/EU



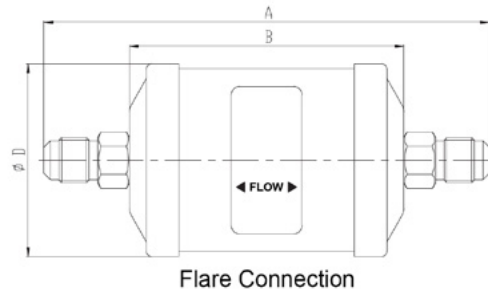


GENERAL CHARACTERISTICS OF STG-F FILTER - FLARE CONNECTION

Filter	Model ¹⁾	Part Number (multi package)*	Nominal Volume		Connection	Dimensions & Weight ²⁾				PED Category ³⁾
			[inch ³]	[cm ³]	SAE Flare	ØD	B	A	Weight	
					[inch]	[mm]	[mm]	[mm]	[g]	
STGF052	STG-F05 024-901	10235010902	5	82	1/4	69	76	123	450	Art. 4.3
STGF053	STG-F05 034-901	10235011002	5	82	3/8	69	76	137	450	Art. 4.3
STGF054	STG-F05 044-901	10235011102	5	82	1/2	69	76	145	450	Art. 4.3
STGF082	STG-F08 024-901	10235011902	8	131	1/4	69	98	145	580	Art. 4.3
STGF083	STG-F08 034-901	10235012002	8	131	3/8	69	98	159	580	Art. 4.3
STGF084	STG-F08 044-901	10235012102	8	131	1/2	69	98	167	580	Art. 4.3
STGF163	STG-F16 034-901	10235014902	16	262	3/8	81	118	179	900	Art. 4.3
STGF164	STG-F16 044-901	10235015002	16	262	1/2	81	118	187	900	Art. 4.3
STGF165	STG-F16 054-901	10235015102	16	262	5/8	81	118	196	900	Art. 4.3
STGF303	STG-F30 034-901	10235013802	30	492	3/8	81	193	254	1700	Art. 4.3
STGF304	STG-F30 044-901	10235013502	30	492	1/2	81	193	262	1700	Art. 4.3
STGF305	STG-F30 054-901	10235013602	30	492	5/8	81	193	271	1700	Art. 4.3
STGF306	STG-F30 064-901	10235013702	30	492	3/4	81	193	271	1700	Art. 4.3

Note: * Available also as industrial package. Contact Sanhua for more details.

- 1) Delivery time on request
- 2) Dimensions are rounded up to integral mm
- 3) PED Directive 2014/68/EU



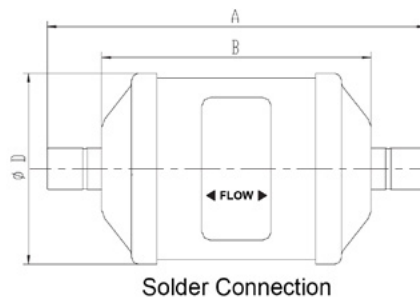


GENERAL CHARACTERISTICS OF STG-F FILTER - SOLDER CONNECTION

Filter	Model ¹⁾ [inch]	Part Number (multi package)* [inch]	Model ¹⁾ [mm]	Part Number (multi package)* [mm]	Nominal Volumen		Connection		Dimensions & Weight ²⁾				PED Category ³⁾
					[inch ³]	[cm ³]	Solder		ØD [mm]	B [mm]	A [mm]	Weight [g]	
							[inch]	[mm]					
STGF052s	STG-F05 020-901	10235010302	STG-F05 061-901	10235010602	5	82	1/4	6	69	76	114	450	Art. 4.3
STGF053s	STG-F05 030-901	10235010402	STG-F05 101-901	10235010702	5	82	3/8	10	69	76	114	450	Art. 4.3
STGF054s	STG-F05 040-901	10235010502	STG-F05 121-901	10235010802	5	82	1/2	12	69	76	124	450	Art. 4.3
STGF082s	STG-F08 020-901	10235011202	STG-F08 061-901	10235011602	8	131	1/4	6	69	98	136	580	Art. 4.3
STGF0825s	STG-F08 250-901	10235011302	STG-F08 250-901	10235011302	8	131	5/16	8	69	98	136	580	Art. 4.3
STGF083s	STG-F08 030-901	10235011402	STG-F08 101-901	10235011702	8	131	3/8	10	69	98	136	580	Art. 4.3
STGF084s	STG-F08 040-901	10235011502	STG-F08 121-901	10235011802	8	131	1/2	12	69	98	146	580	Art. 4.3
STGF163s	STG-F16 030-901	10235012202	STG-F16 101-901	10235012602	16	262	3/8	10	81	118	156	900	Art. 4.3
STGF164s	STG-F16 040-901	10235012302	STG-F16 121-901	10235012702	16	262	1/2	12	81	118	166	900	Art. 4.3
STGF165s	STG-F16 050-901	10235012402	STG-F16 050-901	10235012402	16	262	5/8	16	81	118	166	900	Art. 4.3
STGF167s	STG-F16 070-901	10235012502	STG-F16 070-901	10235012502	16	262	7/8	22	81	118	178	900	Art. 4.3
STGF303s	STG-F30 030-901	10235013902	STG-F30 101-901	10235013102	30	492	3/8	10	81	193	231	1700	Art. 4.3
STGF304s	STG-F30 040-901	10235014002	STG-F30 121-901	10235013202	30	492	1/2	12	81	193	241	1700	Art. 4.3
STGF305s	STG-F30 050-901	10235014102	STG-F30 050-901	10235014102	30	492	5/8	16	81	193	241	1700	Art. 4.3
STGF306s	STG-F30 060-901	10235014202	-	-	30	492	3/4	-	81	193	253	1700	Art. 4.3
STGF307s	STG-F30 070-901	10235012902	STG-F30 070-901	10235012902	30	492	7/8	22	81	193	253	1700	Art. 4.3
STGF309s	STG-F30 090-901	10235013002	STG-F30 281-901	10235013402	30	492	1 1/8	28	81	193	263	1700	Art. 4.3

Note: * Available also as industrial package. Contact Sanhua for more details.

- 1) Delivery time on request
- 2) Dimensions are rounded up to integral mm
- 3) PED Directive 2014/68/EU. Category evaluated considering product as a “vessel”





SELECTION TABLE

Model	Capacity [kW] ^{1) 3)}					Moisture Absorption (gram H ₂ O)							
	R134a	R404A	R22	R407C ²⁾	R410A	R134a		R404A		R407C ²⁾		R22	
		R507A				R507A		R410A		R22			
						75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F
						23,9°C	51,7°C	23,9°C	51,7°C	23,9°C	51,7°C	23,9°C	51,7°C
STGB052s	7,4	5,3	7,7	7,7	7,7	4,3	4,0	4,1	3,8	3,7	3,4	4,1	3,7
STGB052	7,4	5,3	7,7	7,7	7,7	4,3	4,0	4,1	3,8	3,7	3,4	4,1	3,7
STGB053s	16,5	11,6	16,9	16,5	16,9	4,3	4,0	4,1	3,8	3,7	3,4	4,1	3,7
STGB053	16,5	11,6	16,9	16,5	16,9	4,3	4,0	4,1	3,8	3,7	3,4	4,1	3,7
STGB054s	25,0	17,6	25,3	25,0	25,3	4,3	4,0	4,1	3,8	3,7	3,4	4,1	3,7
STGB054	25,0	17,6	25,3	25,0	25,3	4,3	4,0	4,1	3,8	3,7	3,4	4,1	3,7
STGB082s	8,8	6,0	8,8	8,8	8,8	9,8	9,0	9,2	8,6	8,5	7,8	9,2	8,5
STGB082	8,8	6,0	8,8	8,8	8,8	9,8	9,0	9,2	8,6	8,5	7,8	9,2	8,5
STGB0825s	15,8	10,9	16,2	15,8	16,2	9,8	9,0	9,2	8,6	8,5	7,8	9,2	8,5
STGB083s	17,2	12,0	17,6	17,2	17,6	9,8	9,0	9,2	8,6	8,5	7,8	9,2	8,5
STGB083	17,2	12,0	17,6	17,2	17,6	9,8	9,0	9,2	8,6	8,5	7,8	9,2	8,5
STGB084s	25,7	17,9	26,4	26,0	26,4	9,8	9,0	9,2	8,6	8,5	7,8	9,2	8,5
STGB084	25,7	17,9	26,4	26,0	26,4	9,8	9,0	9,2	8,6	8,5	7,8	9,2	8,5
STGB163s	19,7	13,7	20,0	19,7	20,0	17,6	16,3	16,6	15,5	15,2	14,0	16,6	14,2
STGB163	19,7	13,7	20,0	19,7	20,0	17,6	16,3	16,6	15,5	15,2	14,0	16,6	14,2
STGB164s	30,2	21,5	30,9	30,6	30,9	17,6	16,3	16,6	15,5	15,2	14,0	16,6	14,2
STGB164	30,2	21,5	30,9	30,6	30,9	17,6	16,3	16,6	15,5	15,2	14,0	16,6	14,2
STGB165s	34,1	23,9	34,8	34,5	35,2	17,6	16,3	16,6	15,5	15,2	14,0	16,6	14,2
STGB165	34,1	23,9	34,8	34,5	35,2	17,6	16,3	16,6	15,5	15,2	14,0	16,6	14,2
STGB167s	42,2	29,9	42,9	42,6	43,3	17,6	16,3	16,6	15,5	15,2	14,0	16,6	14,2
STGB303s	25,0	17,6	25,3	25,0	25,7	41,3	38,4	38,9	36,5	35,9	32,9	39,1	33,1
STGB303	25,0	17,6	25,3	25,0	25,7	41,3	38,4	38,9	36,5	35,9	32,9	39,1	33,1
STGB304s	30,9	21,8	31,7	31,7	32,0	41,3	38,4	38,9	36,5	35,9	32,9	39,1	33,1
STGB304	30,9	21,8	31,7	31,7	32,0	41,3	38,4	38,9	36,5	35,9	32,9	39,1	33,1
STGB305s	35,5	25,0	36,2	35,9	36,6	41,3	38,4	38,9	36,5	35,9	32,9	39,1	33,1
STGB305	35,5	25,0	36,2	35,9	36,6	41,3	38,4	38,9	36,5	35,9	32,9	39,1	33,1
STGB306s	39,6	28,1	40,1	39,7	40,4	41,3	38,4	38,9	36,5	35,9	32,9	39,1	33,1
STGB306	39,6	28,1	40,1	39,7	40,4	41,3	38,4	38,9	36,5	35,9	32,9	39,1	33,1
STGB307s	46,4	32,4	47,1	46,8	47,5	41,3	38,4	38,9	36,5	35,9	32,9	39,1	33,1
STGB309s	54,2	38,0	55,2	54,5	55,6	41,3	38,4	38,9	36,5	35,9	32,9	39,1	33,1

- Note:**
- 1) The above data is based on filter driers with inch connections and clean system at ideal conditions; with impurities accumulated in the filter, the capacity may decrease.
 - 2) R407C data based on dew point conditions
 - 3) given capacity is for all available types of connection for the same model: flare/solder [inch] and equivalent solder [mm]



SELECTION TABLE

Model	Capacity ^{1) 2)} [kW]						
	R407A	R407F	R448A	R449A	R452A	R450A	R513A
STGB052	7.1	7.85	7.15	7.05	5.4	6.85	6.15
STGB053	15.9	17.5	15.9	15.7	12.1	16.5	13.7
STGB054	24	26.5	24.1	23.8	18.3	23.3	20.8
STGB082	8.45	9.3	8.5	8.35	6.45	8.2	7.3
STGB0825	15.2	16.7	15.2	15	11.55	14.7	13.1
STGB083	16.5	18.2	16.6	16.4	12.6	16	14.3
STGB084	24.7	27.3	24.7	24.5	18.8	23.8	21.4
STGB163	19	20.8	19	18.7	14.4	18.3	16.4
STGB164	29	32	29	28.7	22.1	28	25
STGB165	32.7	36	32.8	32.5	25	31.6	28.4
STGB167	40.6	44.6	40.6	40.2	30.8	39.2	35
STGB303	24	26.4	24.1	23.8	18.3	23.3	20.7
STGB304	29.7	32.7	29.7	29.4	22.6	28.7	25.6
STGB305	34.2	37.5	34.2	33.8	26	33	29.5
STGB306	38	42	38.2	37.8	29	36.8	33
STGB307	44.6	49	44.6	44	34	43	38.6
STGB309	52	57.5	52.4	51.7	39.6	50.2	45

Note: 1) the above data is based on clean system at ideal conditions: with impurities accumulated in the filter, the capacity may decrease
 2) given capacity is for all available types of connection for the same model: flare/solder [inch] and equivalent solder [mm]

SELECTION FORMULAS

Filter driers for liquid line are manufactured in compliance with ARI Standard 710. Maximum flow rate of liquid refrigerant at a differential pressure of 0,07bar (1psi) is indicated by kW (ton) which is based on the temperature of liquid refrigerant 30°C (86°F), the evaporating temperature of -15°C (5°F) and the following mass flow:

- 0,40 kg/min/kW (3.1 lb/min/ton) R134a
- 0,53 kg/min/kW (4.1 lb/min/ton) R404A, R507A
- 0,39 kg/min/kW (3.0 lb/min/ton) R22, R407C
- 0,36 kg/min/kW (2.8 lb/min/ton) R410A

Note: Data on water absorption is based on the following EPD (method: ASHRAE Standard 63.1):

- 60ppm R22
- 50ppm R134a
- 50ppm R404A
- 50ppm R407C
- 50ppm R410A
- 50ppm R507A