

DTG/STG SERIES

Liquid Line Filter Driers

Liquid Line Filter Driers DTG/STG Series products, used in Uni-flow or Bi-flow circulation refrigeration system pipelines, absorb moisture and acidic harmful substances in refrigeration systems, and filter impurities in the system.



FEATURES

- HIGH EFFICIENT IN MOISTURE ABSORPTION, FILTERING IMPURITY, ACID, PAINT REMAINS AND MUD REMOVAL
- COMBINATION OF DRYING AND FILTERING
- DURABLE AND SOLID FILTER CORES
- FILTERING FINENESS: 20µm
- CORROSION RESISTANT PAINTING SURVIVES SALT SPRAY TEST OF 500 HOURS
- CONNECTION TYPE: FLARE OR SOLDER
- THE BI-FLOW FILTER DRIER IS EQUIPPED WITH IRREVERSIBLE FLOW VALVES AT BOTH ENDS, AND THE BI-DIRECTIONAL OPERATION CAN INTERCEPT IMPURITIE. VARIABLE DIRECTIONAL FLOW AND FILTRATION IN HEAT PUMPS AND REVERSIBLE CYCLES, WITH BUILT-IN CHECK VALVE FOR PRECISE BI-DIRECTIONAL CONTROL

GENERAL SPECIFICATIONS

- Applicable for all common HCFC, HFC, HC, HFO refrigerants
- Ambient temperature min./max.: -30°C / +55°C
- Medium temperature TS min./max.: -30°C / +120°C
- Max. operating pressure PS max.: 4.8MPa (48bar)
- Installation position:
 - Flow direction corresponds to the arrow
 - Preferably installed in liquid line
- Certifications: UL/CUL and PED declaration

TECNHICAL PARAMETERS *Desiccant Selection Table*

	Medium Type	80% 3Å desiccant and 20% active alumina	100% 3Å desiccant
Refrigerant ¹⁾	HFC	Applicable	Applicable
	HCFC	Applicable	Applicable
Oil ²⁾	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.

²⁾ For vehicle transport systems, filter driers with copper connections are not recommended, threaded connection (flare) products are recommended

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Model Designation Legend

Examples: $\frac{DTG}{1} \frac{B}{2} \frac{03}{3} \frac{6}{4} \frac{s}{5}$ $\frac{DTG}{1} \frac{B}{2} \frac{08}{3} \frac{5}{4} \frac{s}{5}$

Item		Filter Drier Series	
1	Product Code	DTG	Indicates unidirectional filter drier
		STG	Indicates bidirectional filter drier
2	Filter Core	B	Solid core, 100% 3A desiccant
		F	Soild core, 80% 3A desiccant and 20% active alumina
3	Internal Volume	03	3 inch ³ /49 cm ³
		05	5 inch ³ /82 cm ³
		08	8 inch ³ /131 cm ³
		16	16 inch ³ /262 cm ³
		30	30 inch ³ /492 cm ³
		41	41 inch ³ / 672 cm ³
		75	75 inch ³ /1229 cm ³
4	Connection Size	2	1/4 inch / 6 mm
		2.5	5/16 inch/ 8 mm
		3	3/8 inch/ 10 mm
		4	1/2 inch/ 12 mm
		5	5/8 inch/ 16 mm
		6	3/4 inch/ 19mm
		7	7/8 inch/ 22 mm
		9	1-1/8 inch/ 28 mm
5	Pipe Connection	Blank	SAE flare connections
		s	Solder with inch connections

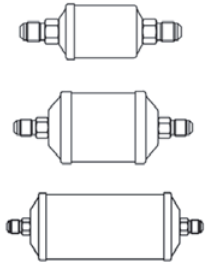
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DTG-B FLARE CONNECTION

Solid core, 100% 3A desiccant



Filter	Model	Connection [inch]	Nominal Volume	
			[inch ³]	[cm ³]
DTGB032	DTG-B03 024-901	1/4	3	49
DTGB033	DTG-B03 034-901	3/8	3	49
DTGB034	DTG-B03 044-901	1/2	3	49
DTGB052	DTG-B05 024-901	1/4	5	82
DTGB053	DTG-B05 034-901	3/8	5	82
DTGB082	DTG-B08 024-901	1/4	8	131
DTGB083	DTG-B08 034-901	3/8	8	131
DTGB084	DTG-B08 044-901	1/2	8	131
DTGB162	DTG-B16 024-901	1/4	16	262
DTGB163	DTG-B16 034-901	3/8	16	262
DTGB164	DTG-B16 044-901	1/2	16	262
DTGB165	DTG-B16 054-901	5/8	16	262
DTGB166	DTG-B16 064-901	3/4	16	262
DTGB303	DTG-B30 034-901	3/8	30	492
DTGB304	DTG-B30 044-901	1/2	30	492
DTGB305	DTG-B30 054-901	5/8	30	492
DTGB306	DTG-B30 064-901	3/4	30	492
DTGB053	DTG-B30 074-901	7/8	30	492
DTGB414	DTG-B41 044-901	1/2	41	672
DTGB415	DTG-B41 054-901	5/8	41	672

DTG-F FLARE CONNECTION

Solid core, 80% 3A desiccant and 20% active alumina

Filter	Model	Connection [inch]	Nominal Volume	
			[inch ³]	[cm ³]
DTGF032	DTG-F03 024-901	1/4	3	49
DTGF033	DTG-F03 034-901	3/8	3	49
DTGF034	DTG-F03 044-901	1/2	3	49
DTGF052	DTG-F05 024-901	1/4	5	82
DTGF053	DTG-F05 034-901	3/8	5	82
DTGF082	DTG-F08 024-901	1/4	8	131
DTGF083	DTG-F08 034-901	3/8	8	131
DTGF084	DTG-F08 044-901	1/2	8	131
DTGF162	DTG-F16 024-901	1/4	16	262
DTGF163	DTG-F16 034-901	3/8	16	262
DTGF164	DTG-F16 044-901	1/2	16	262
DTGF165	DTG-F16 054-901	5/8	16	262
DTGF166	DTG-F16 064-901	3/4	16	262
DTGF303	DTG-F30 034-901	3/8	30	492
DTGF304	DTG-F30 044-901	1/2	30	492
DTGF305	DTG-F30 054-901	5/8	30	492
DTGF306	DTG-F30 064-901	3/4	30	492
DTGF307	DTG-F30 074-901	7/8	30	492
DTGF414	DTG-F41 044-901	1/2	41	672
DTGF415	DTG-F41 054-901	5/8	41	672

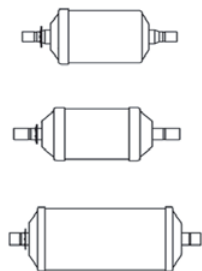
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DTG B- SOLDER CONNECTION

Solid core, 100% 3A desiccant



Filter	Valve Model	Connection [inch]	Model	Connection [mm]	Nominal Volume	
					[inch ³]	[cm ³]
DTGB032s	DTG-B03 020-901	1/4	DTG-B03 061-901	6	3	49
DTGB0325s	DTG-B03 250-901	5/16	DTG-B03 250-901	8	3	49
DTGB033s	DTG-B03 030-901	3/8	DTG-B03 101-901	10	3	49
DTGB034s	DTG-B03 040-901	1/2	DTG-B03 121-901	12	3	49
DTGB052s	DTG-B05 020-901	1/4	DTG-B05 061-901	6	5	82
DTGB0525s	DTG-B05 250-901	5/16	DTG-B05 250-901	8	5	82
DTGB053s	DTG-B05 030-901	3/8	DTG-B05 101-901	10	5	82
DTGB054s	DTG-B05 040-901	1/2	DTG-B05 121-901	12	5	82
DTGB055s	DTG-B05 050-901	5/8	DTG-B05 050-901	16	5	82
DTGB082s	DTG-B08 020-901	1/4	DTG-B08 061-901	6	8	131
DTGB0825s	DTG-B08 250-901	5/16	DTG-B08 250-901	8	8	131
DTGB083s	DTG-B08 030-901	3/8	DTG-B08 101-901	10	8	131
DTGB084s	DTG-B08 040-901	1/2	DTG-B08 121-901	12	8	131
DTGB085s	DTG-B08 050-901	5/8	DTG-B08 050-901	16	8	131
DTGB162s	DTG-B16 020-901	1/4	DTG-B16 061-901	6	16	262
DTGB1625s	DTG-B16 250-901	5/16	DTG-B16 250-901	8	16	262
DTGB163s	DTG-B16 030-901	3/8	DTG-B16 101-901	10	16	262
DTGB164s	DTG-B16 040-901	1/2	DTG-B16 121-901	12	16	262
DTGB165s	DTG-B16 050-901	5/8	DTG-B16 050-901	16	16	262
DTGB166s	DTG-B16 060-901	3/4	DTG-B16 060-901	19	16	262
DTGB167s	DTG-B16 070-901	7/8	DTG-B16 070-901	22	16	262
DTGB303s	DTG-B30 030-901	3/8	DTG-B30 101-901	10	30	492
DTGB304s	DTG-B30 040-901	1/2	DTG-B30 121-901	12	30	492
DTGB305s	DTG-B30 050-901	5/8	DTG-B30 050-901	16	30	492
DTGB306s	DTG-B30 060-901	3/4	-	-	30	492
DTGB307s	DTG-B30 070-901	7/8	DTG-B30 070-901	22	30	492
DTGB309s	DTG-B30 090-901	1-1/8	DTG-B30 281-901	28	30	492
DTGB414s	DTG-B41 040-901	1/2	DTG-B41 121-901	12	41	672
DTGB415s	DTG-B41 050-901	5/8	DTG-B41 050-901	16	41	672
DTGB417s	DTG-B41 070-901	7/8	DTG-B41 070-901	22	41	672
DTGB419s	DTG-B41 090-901	1-1/8	DTG-B41 281-901	28	41	672
DTGB757s	DTG-B75 070-901	7/8	DTG-B75 070-901	22	75	1229
DTGB759s	DTG-B75 090-901	-	DTG-B75 281-901	28	75	1229

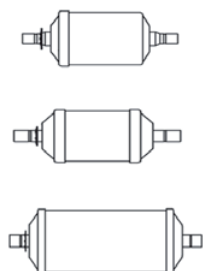
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DTG F - SOLDER CONNECTION

Solid core, 80% 3A desiccant and 20% active alumina



Filter	Valve Model	Connection [inch]	Valve Model	Connection [mm]	Nominal Volume	
					[inch ³]	[cm ³]
DTGF032s	DTG-F03 020-901	1/4	DTG-F03 061-901	6	3	49
DTGF0325s	DTG-F03 250-901	5/16	DTG-F03 250-901	8	3	49
DTGF033s	DTG-F03 030-901	3/8	DTG-F03 101-901	10	3	49
DTGF034s	DTG-F03 040-901	1/2	DTG-F03 121-901	12	3	49
DTGF052s	DTG-F05 020-901	1/4	DTG-F05 061-901	6	5	82
DTGF0525s	DTG-F05 250-901	5/16	DTG-F05 250-901	8	5	82
DTGF053s	DTG-F05 030-901	3/8	DTG-F05 101-901	10	5	82
DTGF054s	DTG-F05 040-901	1/2	DTG-F05 121-901	12	5	82
DTGF055s	DTG-F05 050-901	5/8	DTG-F05 050-901	16	5	82
DTGF082s	DTG-F08 020-901	1/4	DTG-F08 061-901	6	8	131
DTGF0825s	DTG-F08 250-901	5/16	DTG-F08 250-901	8	8	131
DTGF083s	DTG-F08 030-901	3/8	DTG-F08 101-901	10	8	131
DTGF084s	DTG-F08 040-901	1/2	DTG-F08 121-901	12	8	131
DTGF085s	DTG-F08 050-901	5/8	DTG-F08 050-901	16	8	131
DTGF162s	DTG-F16 020-901	1/4	DTG-F16 061-901	6	16	262
DTGF1625s	DTG-F16 250-901	5/16	DTG-F16 250-901	8	16	262
DTGF163s	DTG-F16 030-901	3/8	DTG-F16 101-901	10	16	262
DTGF164s	DTG-F16 040-901	1/2	DTG-F16 121-901	12	16	262
DTGF165s	DTG-F16 050-901	5/8	DTG-F16 050-901	16	16	262
DTGF166s	DTG-F16 060-901	3/4	DTG-F16 060-901	19	16	262
DTGF167s	DTG-F16 070-901	7/8	DTG-F16 070-901	22	16	262
DTGF303s	DTG-F30 030-901	3/8	DTG-F30 101-901	10	30	492
DTGF304s	DTG-F30 040-901	1/2	DTG-F30 121-901	12	30	492
DTGF305s	DTG-F30 050-901	5/8	DTG-F30 050-901	16	30	492
DTGF306s	DTG-F30 060-901	3/4	DTG-F30 060-901	19	30	492
DTGF307s	DTG-F30 070-901	7/8	DTG-F30 070-901	22	30	492
DTGF309s	DTG-F30 090-901	1-1/8	DTG-F30 281-901	28	30	492
DTGF414s	DTG-F41 040-901	1/2	DTG-F41 121-901	12	41	672
DTGF415s	DTG-F41 050-901	5/8	DTG-F41 050-901	16	41	672
DTGF417s	DTG-F41 070-901	7/8	DTG-F41 070-901	22	41	672
DTGF419s	DTG-F41 090-901	1-1/8	DTG-F41 281-901	28	41	672
DTGF757s	DTG-F75 070-901	7/8	DTG-F75 070-901	22	75	1229
DTGF759s	DTG-F75 090-901	1-1/8	DTG-F75 281-901	28	75	1229

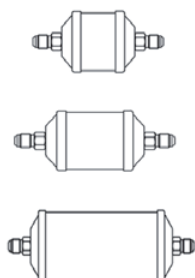
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STG B- FLARE CONNECTION

Solid core, 100% 3A desiccant



Filter	Valve Model	Connection	Nominal Volume	
		[inch]	[inch ³]	[cm ³]
STGB052	STG-B05 024-901	1/4	5	82
STGB053	STG-B05 034-901	3/8	5	82
STGB054	STG-B05 044-901	1/2	5	82
STGB082	STG-B08 024-901	1/4	8	131
STGB083	STG-B08 034-901	3/8	8	131
STGB084	STG-B08 044-901	1/2	8	131
STGB163	STG-B16 034-901	3/8	16	262
STGB164	STG-B16 044-901	1/2	16	262
STGB165	STG-B16 054-901	5/8	16	262
STGB303	STG-B30 034-901	3/8	30	492
STGB304	STG-B30 044-901	1/2	30	492
STGB305	STG-B30 054-901	5/8	30	492
STGB306	STG-B30 064-901	3/4	30	492

STG F- FLARE CONNECTION

Solid core, 80% 3A desiccant and 20% active alumina

Filter	Valve Model	Connection	Nominal Volume	
		[inch]	[inch ³]	[cm ³]
STGF052	STG-F05 024-901	1/4	5	82
STGF053	STG-F05 034-901	3/8	5	82
STGF054	STG-F05 044-901	1/2	5	82
STGF082	STG-F08 024-901	1/4	8	131
STGF083	STG-F08 034-901	3/8	8	131
STGF084	STG-F08 044-901	1/2	8	131
STGF163	STG-F16 034-901	3/8	16	262
STGF164	STG-F16 044-901	1/2	16	262
STGF165	STG-F16 054-901	5/8	16	262
STGF303	STG-F30 034-901	3/8	30	492
STGF304	STG-F30 044-901	1/2	30	492
STGF305	STG-F30 054-901	5/8	30	492
STGF306	STG-F30 064-901	3/4	30	492

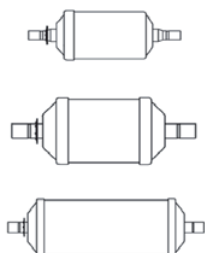
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STG B- SOLDER CONNECTION

Solid core, 100% 3A desiccant



Filter	Model	Connection [inch]	Model	Dimensions [mm]	Nominal Volume	
					[inch ³]	[cm ³]
STGB052s	STG-B05 020-901	1/4	STG-B05 061-901	6	5	82
STGB053s	STG-B05 030-901	3/8	STG-B05 101-901	10	5	82
STGB054s	STG-B05 040-901	1/2	STG-B05 121-901	12	5	82
STGB082s	STG-B08 020-901	1/4	STG-B08 061-901	6	8	131
STGB0825s	STG-B08 250-901	5/16	STG-B08 250-901	8	8	131
STGB083s	STG-B08 030-901	3/8	STG-B08 101-901	10	8	131
STGB084s	STG-B08 040-901	1/2	STG-B08 121-901	12	8	131
STGB163s	STG-B16 030-901	3/8	STG-B16 101-901	10	16	262
STGB164s	STG-B16 040-901	1/2	STG-B16 121-901	12	16	262
STGB165s	STG-B16 050-901	5/8	STG-B16 050-901	16	16	262
STGB167s	STG-B16 070-901	7/8	STG-B16 070-901	22	16	262
STGB303s	STG-B30 030-901	3/8	STG-B30 101-901	10	30	492
STGB304s	STG-B30 040-901	1/2	STG-B30 121-901	12	30	492
STGB305s	STG-B30 050-901	5/8	STG-B30 050-901	16	30	492
STGB306s	STG-B30 060-901	3/4	-	-	30	492
STGB307s	STG-B30 070-901	7/8	STG-B30 070-901	22	30	492
STGB309s	STG-B30 090-901	1-1/8	STG-B30 281-901	28	30	492

STG F- SOLDER CONNECTION

Solid core, 80% 3A desiccant and 20% active alumina

Seat	Model	Connection [inch]	Model	Dimensions [mm]	Nominal Volume	
					[inch ³]	[cm ³]
STGF052s	STG-F05 020-901	1/4	STG-F05 061-901	6	5	82
STGF053s	STG-F05 030-901	3/8	STG-F05 101-901	10	5	82
STGF054s	STG-F05 040-901	1/2	STG-F05 121-901	12	5	82
STGF082s	STG-F08 020-901	1/4	STG-F08 061-901	6	8	131
STGF0825s	STG-F08 250-901	5/16	STG-F08 250-901	8	8	131
STGF083s	STG-F08 030-901	3/8	STG-F08 101-901	10	8	131
STGF084s	STG-F08 040-901	1/2	STG-F08 121-901	12	8	131
STGF163s	STG-F16 030-901	3/8	STG-F16 101-901	10	16	262
STGF164s	STG-F16 040-901	1/2	STG-F16 121-901	12	16	262
STGF165s	STG-F16 050-901	5/8	STG-F16 050-901	16	16	262
STGF167s	STG-F16 070-901	7/8	STG-F16 070-901	22	16	262
STGF303s	STG-F30 030-901	3/8	STG-F30 101-901	10	30	492
STGF304s	STG-F30 040-901	1/2	STG-F30 121-901	12	30	492
STGF305s	STG-F30 050-901	5/8	STG-F30 050-901	16	30	492
STGF306s	STG-F30 060-901	3/4	-	-	30	492
STGF307s	STG-F30 070-901	7/8	STG-F30 070-901	22	30	492
STGF309s	STG-F30 090-901	1-1/8	STG-F30 281-901	28	30	492