

## DTGH SERIES | *Suction Line Filter-Drier*



The DTG-H suction line filter-driers are designed to clean-up the system after a compressor burnout.

It contains a solid core with desiccant and activated alumina to remove moisture and acid while filtering out contaminants. It also has access valves to measure pressure drop across the filter-drier.

### FEATURES

- MOLDED CORE - HIGHLY EFFICIENT IN MOISTURE, ACID, AND CONTAMINATION REMOVAL
  - MOISTURE REMOVAL: 80% 3Å DESICCANT
  - ACID REMOVAL: 20% ACTIVATED ALUMINA
  - CONTAMINANTS: 20 MICRON FILTER
- 500 HOUR GB/T 10125 SALT SPRAY CORROSION RESISTANCE
- ACCESS VALVES FOR QUICK MEASUREMENT OF PRESSURE DROP

### GENERAL SPECIFICATION

- Applicable for all common HCFC and HFC refrigerants
- Fluid temperature range: -22°F to +250°F
- Applicable ambient temperatures: -22°F to +130°F
- Maximum operation pressure: 700 PSIG
- Certification: UL Listed

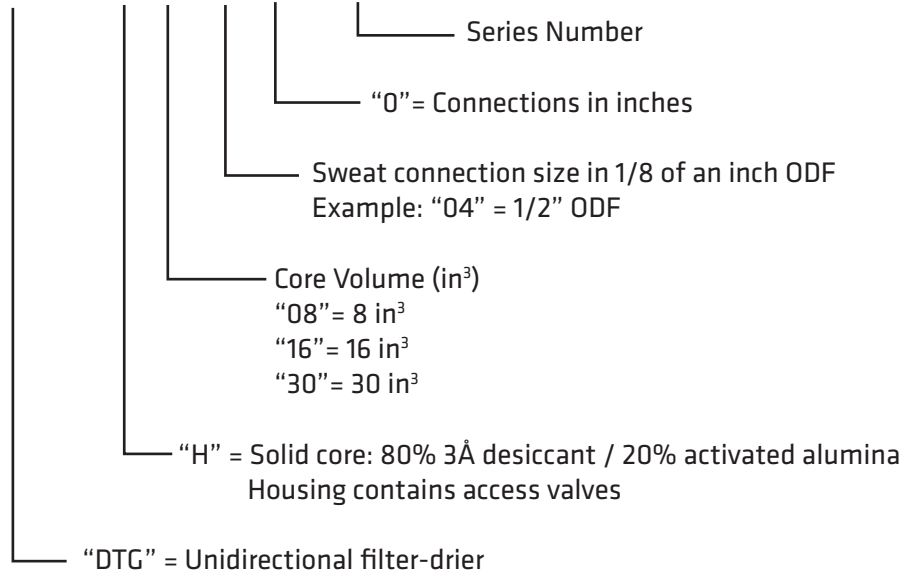


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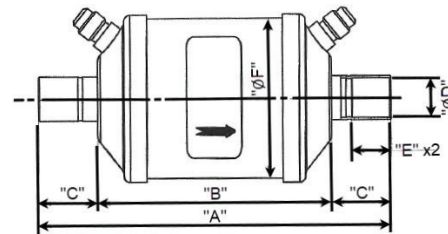


### MODEL DESIGNATION

**DTG - H 16 05 0 - 921**



### TECHNICAL DATA



Model	Nomial Volume	Connection Size, "ØD"	Dimensions (in)				
	in <sup>3</sup>		ODF (in)	"A"	"B" REF	"C"	"E"
DTG-H08030-921	8	3/8	5.28	3.78	0.75	0.12	2.56
DTG-H08040-921		1/2	5.67		0.94	0.79	
DTG-H08050-921		5/8	5.67		0.94	0.63	
DTG-H08060-921		3/4	6.14		1.18	0.98	
DTG-H08070-921		7/8	6.14		1.18	0.98	
DTG-H16030-921	16	3/8	6.06	4.57	0.75	0.12	2.56
DTG-H16040-921		1/2	6.46		0.94	0.79	
DTG-H16050-921		5/8	6.46		0.94	0.63	
DTG-H16060-921		3/4	6.93		1.18	0.98	
DTG-H16070-921		7/8	6.93		1.18	0.98	
DTG-H30050-921	30	5/8	9.41	7.52	0.94	0.63	2.99
DTG-H30060-921		3/4	9.88		1.18	0.98	
DTG-H30070-921		7/8	9.88		1.18	0.98	
DTG-H30090-921		1-1/8	10.28		1.38	1.18	

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### REFRIGERANT CAPACITY TABLES

Suction Capacity (tons)												
Refrigerant	R-404A R-507		R-448A R-449A		R-407A		R-134a	R-450A	R-22			R-290
	20°F	-20°F	20°F	-20°F	20°F	-20°F	20°F	20°F	40°F	20°F	-20°F	40°F
Pressure Drop (psi)	2.0	1.0	2.0	1.0	2.0	1.0	1.5	1.5	3.0	2.0	1.0	3.0
DTG-H08030-921	0.82	0.35	0.90	0.38	0.88	0.37	0.63	0.56	1.44	0.96	0.43	1.76
DTG-H08040-921	1.20	0.51	1.31	0.56	1.28	0.54	0.92	0.82	2.10	1.40	0.62	2.58
DTG-H08050-921	1.60	0.68	1.76	0.75	1.72	0.72	1.23	1.10	2.81	1.87	0.84	3.45
DTG-H08060-921	1.72	0.73	1.89	0.80	1.85	0.78	1.32	1.19	3.02	2.02	0.90	3.71
DTG-H08070-921	1.77	0.74	1.94	0.82	1.89	0.80	1.35	1.21	3.10	2.07	0.92	3.80
DTG-H16030-921	0.84	0.35	0.92	0.39	0.90	0.38	0.64	0.58	1.48	0.98	0.44	1.81
DTG-H16040-921	1.24	0.52	1.36	0.57	1.32	0.56	0.95	0.85	2.17	1.44	0.64	2.66
DTG-H16050-921	1.71	0.72	1.87	0.79	1.83	0.77	1.31	1.18	3.00	2.00	0.89	3.67
DTG-H16060-921	1.81	0.76	1.99	0.84	1.94	0.82	1.39	1.25	3.18	2.12	0.95	3.90
DTG-H16070-921	1.87	0.79	2.05	0.87	2.00	0.84	1.43	1.28	3.27	2.18	0.97	4.01
DTG-H30050-921	1.79	0.75	1.96	0.83	1.92	0.81	1.37	1.23	3.14	2.09	0.93	3.84
DTG-H30060-921	2.47	1.04	2.70	1.15	2.64	1.11	1.89	1.70	4.32	2.88	1.29	5.30
DTG-H30070-921	2.48	1.04	2.72	1.15	2.65	1.12	1.90	1.70	4.34	2.89	1.29	5.33
DTG-H30090-921	2.91	1.23	3.20	1.36	3.12	1.31	2.23	2.00	5.11	3.41	1.52	6.26

Rated in accordance with ANSI/AHRI Standard 730 (I-P)

