

Filter drier with sight glass WSG Parker Sporlan WorldSeries™

Parker Sporlan WorldSeries™ WSG liquid line filters driers and sight glasses ensure:

- Protection of refrigeration and air-conditioning systems from moisture, acids, and solid particles.
- Visual control of flow, dryness and color of liquid refrigerant.



WSG liquid filters driers and sight glass contain 100% molecular sieve in compacted bead for a maximum efficiency of dehydration.

This 2 in 1 product reduces the installation time for the user and minimize the risk of leakage. We recommend to protect the glass by calorie discharger **TB2 Thermal Block™** or to wrap with a damp cloth when **WSG** with solder connections are used.

2 in 1 WSG product minimize installation work, risk of leakage and optimize system's size.

Benefits

Max Working Pressure	45 bar (652 psig)
Temperature Range	-40°C to +80°C

- **Leak Testing:** 100% helium leak tested
- **Coating:** Polyester coating giving protection to 500 hours salt spray.
- **Filtration:** 20 microns
- **Approvals:** UL file no. SA 12220
PED 97/23/EC - article 3.3

The physical size of the **WSG filters driers and sight glasses** range allows the product to be manufactured under the PED category (art.3.3) which does not require the "CE" marking.

For all requests, consult your nearest Parker Sporlan Wholesaler or contact us on:
racecustomerservice@parker.com / www.parker.com/race

Technical Data

WSG

Drying Capacity - kg of refrigerant*

WSG Series	R134a		R404A		R407C		R410A		R 22	
	24°C	52°C	24°C	52°C	24°C	52°C	24°C	52°C	24°C	52°C
WSG 05	8	7	10	9	8	7	8	7	8	7
WSG 08	19	15	22	18	17	15	15	12	17	14
WSG 16	25	22	29	24	22	18	19	15	22	17
WSG 30	43	36	46	39	38	33	33	28	38	32

* Drying capacity is the results of standard tests before and after drying from 105 Oppm to 50 ppm

WSG

Liquid Refrigerant Holding - Capacity Grams at 40°C

WSG Series	R134a	R404A	R407C	R410A	R 22
WSG 05	114.0	97.0	107.0	99.0	113.0
WSG 08	231.0	196.0	217.0	200.0	230.0
WSG 16	289.0	245.0	271.0	250.0	286.0
WSG 30	509.3	431.8	477.9	440.1	505.1



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Accurate at the time of going to print.

Technical Data

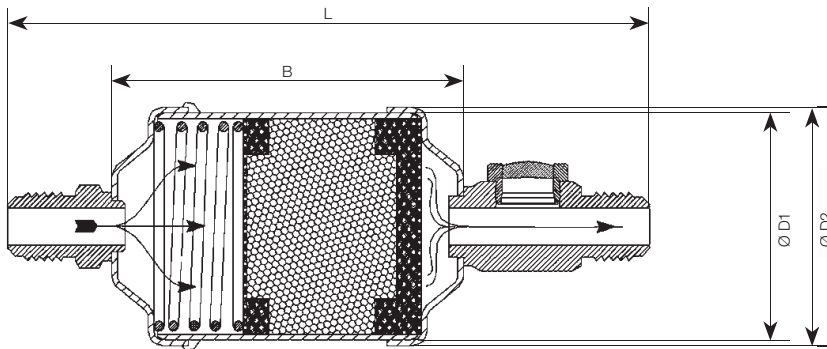
WSG Flare (SAE) Connections

Part Number	Connection Size SAE	Flow Capacity (kW) *				Dimensions (mm)					Weight Kg
		R134a	R404A R507	R407C	R410A R22	L	A	B	D1	D2	
WSG052F	1/4"	6.4	4.6	6.6	6.9	131.0	-	66	63.5	66.7	0.55
WSG053F	3/8"	16.6	12.0	17.0	17.9	140.5	-	66	63.5	66.7	0.55
WSG082F	1/4"	7.0	5.0	7.1	7.5	163.3	-	98.3	63.5	66.7	0.65
WSG083F	3/8"	17.1	12.3	17.5	18.4	172.7	-	98.3	63.5	66.7	0.65
WSG084F	1/2"	25.9	18.7	26.5	27.9	178.6	-	98.3	63.5	66.7	0.65
WSG162F	1/4"	7.0	5.0	7.1	7.5	182.4	-	117.3	63.5	66.7	0.74
WSG163F	3/8"	18.9	13.7	19.4	20.4	191.8	-	117.3	63.5	66.7	0.74
WSG164F	1/2"	34.1	24.7	35.0	36.8	197.6	-	117.3	63.5	66.7	0.74
WSG165F	5/8"	45.9	33.2	47.0	49.5	204.7	-	117.3	63.5	66.7	0.74
WSG303F	3/8"	19.4	14.0	19.9	20.9	262.4	-	187.96	63.5	66.7	1.20
WSG304F	1/2"	37.4	27.0	38.3	40.3	268.2	-	187.96	63.5	66.7	1.20
WSG305F	5/8"	47.6	34.4	48.7	51.3	275.3	-	187.96	63.5	66.7	1.20

* Liquid capacity in accordance with ARI 710-86 standard.

Te = -15°C, Tc = 30°C, Δp = 0.07 bar (1 psig).

Other working conditions see pages 223 to 225.



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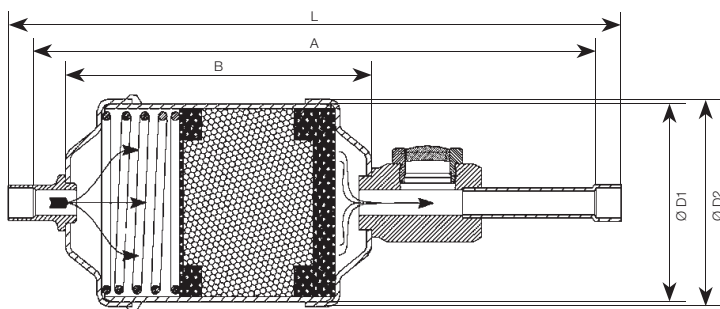


Technical Data

WSG Solder ODF Connections

Part Number	Connection Size ODF	Flow Capacity (kW) *				Dimensions (mm)					Weight Kg
		R134a	R404A R507	R407C	R410A R22	L	A	B	D1	D2	
WSG053S	3/8"	16.6	12.0	17.0	17.9	164.3	148.53	66	63.5	66.7	0.55
WSG083S	3/8"	17.1	12.3	17.5	18.4	196.6	180.8	98.3	63.5	66.7	0.65
WSG084S	1/2"	25.9	18.7	26.5	27.9	196.6	177.8	98.3	63.5	66.7	0.65
WSG163S	3/8"	18.9	13.7	19.4	20.4	215.7	199.85	117.3	63.5	66.7	0.74
WSG164S	1/2"	34.1	24.7	35.0	36.8	215.7	196.85	117.3	63.5	66.7	0.74
WSG165S	5/8"	45.9	33.2	47.0	49.5	218.7	193.3	117.3	63.5	66.7	0.74
WSG304S	1/2"	37.4	27.0	38.3	40.3	286.3	267.5	187.96	63.5	66.7	1.20
WSG305S	5/8"	47.6	34.4	48.7	51.3	289.3	263.9	187.96	63.5	66.7	1.20
WSG307S	7/8"	57.7	41.7	59.1	62.2	299.7	261.5	187.96	63.5	66.7	1.20
WSG0510MM	10 mm	16.6	12.0	17.0	17.9	164.3	148.5	66.0	63.5	66.7	0.29
WSG0810MM	10 mm	17.1	12.3	17.5	18.4	196.6	180.8	98.3	63.5	66.7	0.71
WSG0812MM	12 mm	25.9	18.7	26.5	27.9	196.6	177.8	98.3	63.5	66.7	0.71
WSG1612MM	12 mm	34.1	24.7	35.0	36.8	215.7	196.9	117.3	63.5	66.7	0.71
WSG165S	16 mm	45.9	33.2	47.0	49.5	218.7	193.3	117.3	63.5	66.7	0.71
WSG305S	16 mm	47.6	34.4	48.7	51.3	289.3	263.9	188.0	63.5	66.7	1.15
WSG307S18MM	18 mm	47.6	34.4	48.7	51.3	299.7	267.9	188.0	63.5	66.7	1.15

* Liquid capacity in accordance with ARI 710-86 standard.
 Te = -15°C, Tc = 30°C, Δp = 0.07 bar (1 psig).
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