

FILTER DRIERS – SUCTION LINE

The purpose of the suction line filter-drier is to capture and contain harmful contaminants in order to prevent damage to system components and prolong equipment life. The types of harmful contaminants removed by filter-driers are moisture, acid, wax and particulate matter.

General information regarding desiccant blends:

- Activated alumina: removes acid
- Activated carbon: removes wax, sludge and varnish
- Molecular sieve: removes moisture



PROTECH Suction Line Filter Driers (Standard Shell)



- Solid core; solid copper fittings
- Premium product with activated alumina/activated carbon/molecular sieve desiccant
- Suitable for R-22 and R-410A, 500 psig maximum working pressure
- For use after a burnout or when major system work has been performed
- Two pressure taps; one each at the inlet and outlet ends
- Corrosion resistant epoxy powder paint finish

PART NO	INDUSTRY CODE	CONNECT SIZE (IN)	CONNECTION TYPE	OVERALL LENGTH (IN)	BODY LENGTH (IN)	BODY DIA (IN)	CAPACITY (IN ³)	R-22 ARI FLOW CAPACITY @ 40F & 3 PSI DROP (TONS)	R-410A ARI FLOW CAPACITY @ 40F & 3 PSI DROP (TONS)
83-25153-05	164S	1/2	Sweat ODF	6-1/4	4-3/4	2-1/2	16	2.4	2.9
83-25153-06	165S	5/8	Sweat ODF	6-1/2	4-3/4	2-1/2	16	3.4	2.3
83-25153-07	166S	3/4	Sweat ODF	6-15/16	4-3/4	2-1/2	16	4.2	2.9
83-25153-08	167S	7/8	Sweat ODF	7-1/8	4-3/4	2-1/2	16	4.6	3.1
83-25153-09	305S	5/8	Sweat ODF	9-7/32	7-7/16	3	30	4.2	5.2
83-25153-10	306S	3/4	Sweat ODF	9-5/8	7-7/16	3	30	5.5	3.8
83-25153-11	307S	7/8	Sweat ODF	9-13/16	7-7/16	3	30	6.1	4.2
83-25153-13	419S	1-1/8	Sweat ODF	10	7-39/64	3/1/2	41	11.3	14.1



PROTECH Suction Line Filter Driers (Compact Shell)



- Solid core; solid copper fittings
- Activated alumina with molecular sieve desiccant
- Suitable for R-22 and R-410A, 400 psig maximum working pressure
- Compact design for short lay-in applications
- Two pressure taps; one each at the inlet and outlet ends
- Corrosion resistant epoxy powder paint finish

PART NO	INDUSTRY CODE	CONNECT SIZE (IN)	CONNECTION TYPE	OVERALL LENGTH (IN)	BODY LENGTH (IN)	BODY DIA (IN)	CAPACITY (IN ³)	R-22 ARI FLOW CAPACITY @ 40F & 3 PSI DROP (TONS)	R-410A ARI FLOW CAPACITY @ 40F & 3 PSI DROP (TONS)
83-25154-02	14-6S	3/4	Sweat ODF	4-1/4	2-11/16	4-11/16	14	4.9	3.3
83-25154-03	14-7S	7/8	Sweat ODF	4-7/16	2-11/16	4-11/16	14	5.2	3.6



Sporlan Catch-All Suction Line Filter Driers (Standard Shell)



- Solid core; solid copper fittings
- Premium product with activated alumina/activated carbon/molecular sieve desiccant
- Suitable for R-22 and R-410A, 650 psig maximum working pressure
- For use after a burnout or when major system work has been performed
- One pressure tap at the inlet end
- Corrosion resistant epoxy powder paint finish

PART NO	VENDOR PART NO	CONNECT SIZE (IN)	CONNECTION TYPE	OVERALL LENGTH (IN)	BODY LENGTH (IN)	BODY DIA (IN)	CAPACITY (IN ³)	R-22 ARI FLOW CAPACITY @ 40F & 3 PSI DROP (TONS)	R-410A ARI FLOW CAPACITY @ 40F & 3 PSI DROP (TONS)
83-25209-01	C-165-S-T-HH	5/8	Sweat ODF	6-5/16	4-9/16	3	16	3.3	4.2
83-25209-0N	C-166-S-T-HH	3/4	Sweat ODF	6-3/4	5	3	16	4.1	5.2
83-25209-03	C-167-S-T-HH	7/8	Sweat ODF	6-5/16	4-9/16	3	16	4.6	5.9
83-25209-04	C-306-S-T-HH	3/4	Sweat ODF	9-5/8	7-7/8	3	30	4.5	5.8
83-25209-05	C-307-S-T-HH	7/8	Sweat ODF	9-3/4	8	3	30	5.4	7.0
83-25209-06	C-309-S-T-HH	1-1/8	Sweat ODF	9-3/4	8	3	30	6.0	7.7