



Falls Filtration
Technologies, Inc

"Manufacturer of Airmaze Products"

DA – DRY TYPE



DRY INTAKE AIR FILTER/FILTER SILENCERS

Applications

Designed for use up to 6650cfm, the Falls Filtration DA Dry-type filter-silencer combines highly efficient cleaning of intake air with effective silencing, used on air intakes of blowers, compressors and naturally aspirated engines as well as many other uses. These units attach directly to air intake or can be remote mounted.

Construction

The media consists of heavy Dacron felt with deep pleats, armored on both sides by galvanized steel wire cloth. A weather hood is furnished for protection against rain or snow. All metal construction materials are treated for corrosion resistance.

Special Advantages

Supplied with Dacron felt media, the DA dry-type filter-silencer applies where oil-free air and fine degree of filtration are required. Velocity of air through the filter can vary without affecting filtering efficiency.

Servicing Requirements

When servicing is required, the element can be quickly removed and washed in a commercial solvent. In most cases, dirt accumulations can be removed with an air hose or by shaking off the dust.

Attenuation

The silencing chamber of the DA filter-silencer offers peak attenuation in the frequency ranges (see table below) heard at the intakes of compressors and engines.

Performance

Pressure drop of the DA filter-silencer averages .3" of water through the filtering element only. Total loss through complete unit is generally less than 3" of water when clean.

Laboratory tests indicate better than 90% efficiency on particles of 3 micron or larger and 99% with particles 5 microns or larger. Temperature range is -65° to 200° F.

Sizing

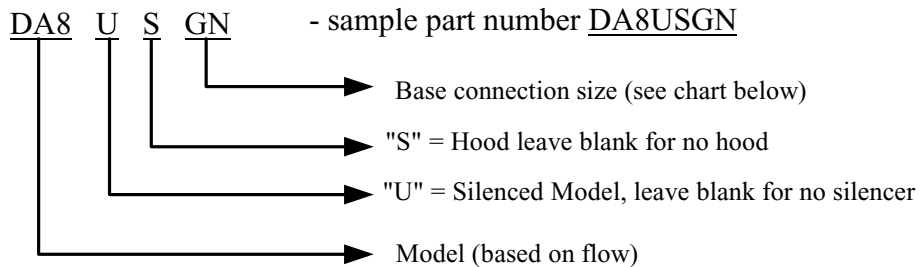
Constant flow capacities are shown on the dimensional chart. Falls Filtration engineers will gladly assist in sizing filter-silencers for pulsating applications.

ATTENUATION						
Octave Frequency Bands (in cycles per second)	150-300	300-600	600-1200	1200-2400	2400-4800	4800-9600
Attenuation in decibels	13	9	8	11	12	12

DRY-TYPE DA FILTERS AND FILTER SILENCERS

Model No.	Capacity with Constant Flow (CFM)	Dimensions				Min. Outlet Any Type	Max. flange Size	Max. F.P.T. M.P.T. Size	Filter Area (sq. Ft)	Approx Shipping Weight LBS.	
		Diameter		Height (Less Connection)						No Silencer	With Silencer
		No Hood	With Hood	Silencer	No Silencer						
DA8	185	8.0"	10 1/2"	16 3/8"	8 5/8	3"	3 1/2"	6"	5.3	20	28
DA85	280	8.0"	10 1/2"	20 3/8"	12 5/8	3"	3 1/2"	6"	8.0	27	42
DA105	420	10 1/2"	14 1/2"	25 3/8"	15 3/8	4"	5"	8"	12.5	40	60
DA125	580	12 1/2"	16 1/2"	30 3/8"	18 3/8	5"	6"	10"	16.5	55	80
DA145	800	14 1/2"	18 1/2"	35 3/8"	21 3/8	6"	8"	12"	22.5	68	100
DA18	1085	18 1/2"	24 1/2"	36 3/8"	18 3/8	8"	10"	12"	31.0	95	135
DA185	1630	18 1/2"	24 1/2"	45 3/8"	27 3/8	8"	10"	12"	46.5	114	190
DA22	1890	22 1/2"	32 1/2"	44 3/8"	22 3/8	10"	14"	12"	54.0	149	200
DA225	2835	22 1/2"	32 1/2"	55 3/8"	33 3/8	10"	14"	12"	81.0	193	300
DA245	3500	24 1/2"	36 1/2"	60 3/8"	36 3/8	10"	16"	12"	100.0	302	350
DA285	4780	28 1/2"	41 7/8"	67 3/8"	39 3/8	12"	20"	12"	136.0	402	485
DA325	5700	32 1/2"	47"	71 3/8"	39 1/2	12"	24"	12"	162.0	451	705
DA365	6650	36 1/2"	51 1/2"	75 3/8"	39 1/2	14"	28"	-	190.0	468	720

MODEL NUMBER CONSTRUCTION

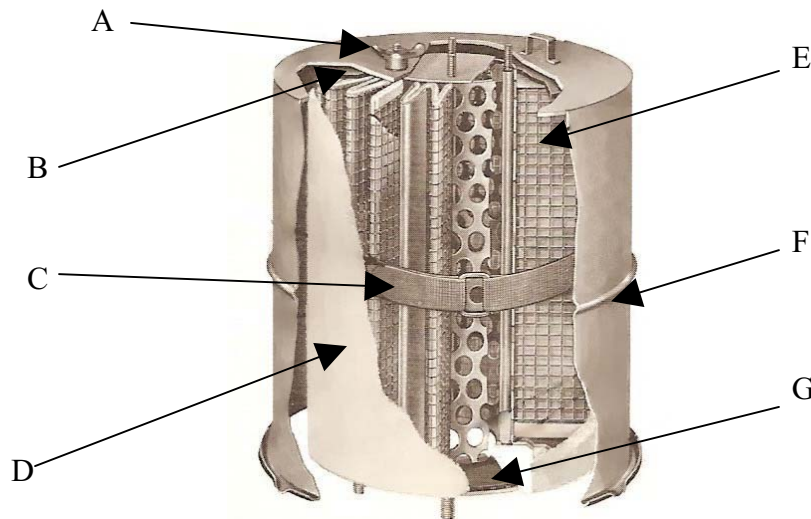


BASE CONNECTION SIZE

Standard Pipe Sizes	3"	3 1/2"	4"	5"	6"	8"	10"	12"	14"	16"	18'	20"	22"	24"	26"	28"
Code No. for: Male Pipe Thread	GN	GE	GS	GQ	GT	GV	GW	GX	-	-	-	-	-	-	-	--
Female Pipe Thread	FN	FE	FS	FQ	FT	FV	FW	FX	-	-	-	-	-	-	-	--
Flange Type	EN	EE	ES	EQ	ET	EV	EW	EX	EY	EO	EZ	EZZ	EXZ	EYZ	EOZ	EVZ

Units furnished with studs to match American 125-lb standard pipe flanges. (Companion flanges not furnished by Falls Filtration.) Stud quantity is one-half (1/2) the number of studs normally called for on the size flange specified.

DA-DRY TYPE FILTER REPLACEMENT PARTS LISTING



Model	A (WINGNUT)	B (TOP GASKET)	C (STRAP)	D (PREFILTER)	E (ELEMENT)	F (HOOD)	G (LOWER GASKET)
DA8	20518Z	DA8-106	DA105-28	DA8-307	DAX8-826	DA8-800	DA8-06
DA85	20518Z	DA85-106	DA105-28	DA85-307	DAX85-826	DA85-800	DA85-06
DA105	20518Z	DA105-106	DA105-28	DA105-307	DAX105-826	DA105-800	DA105-06
DA125	20518Z	DA125-106	DA18-165	DA125-307	DAX125-826	DA125-800	DA125-06
DA145	20518Z	DA145-106	DA18-165	DA145-307	DAX145-826	DA145-800	DA145-06
DA18	20518Z	DA18-106	DA18-165	DA18-307	DAX18-826	DA18-800	DA18-06
DA185	20518Z	DA185-106	DA18-165	DA185-307	DAX185-826	DA185-800	DA185-06
DA22	20518Z	DA22-106	DA245-165	DA22-307	DAX22-826	DA22-800	DA22-06
DA225	20518Z	DA225-106	DA245-165	DA225-307	DAX225-826	DA225-800	DA225-06
DA245	20518Z	DA245-106	DA245-165	DA245-307	DAX245-826	DA245-800	DA245-06
DA285	20518Z	DA285-106	DA365-165	DA285-307	DAX285-826	DA285-800	DA285-06
DA325	20518Z	DA325-106	DA365-165	DA325-307	DAX325-826	DA325-800	DA325-06
DA365	20518Z	DA365-106	DA365-165	DA365-307	DAX365-826	DA365-800	DA365-06

*** When item "E" is purchased item "C" is included

ISO 9001:2000 & AS9100 Certified



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Falls Filtration Technologies Inc. reserves the right to change any model or specification at any time without notice