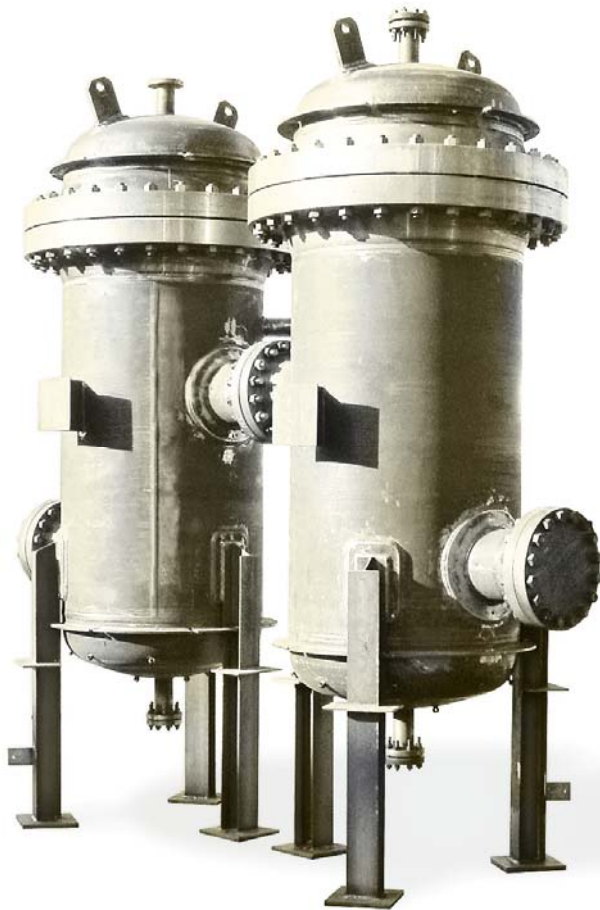


Series DG

DRY GAS FILTERS
TAILOR MADE



MAIN APPLICATIONS:

- PETROCHEMICAL
- OIL & GAS
- FINE CHEMICAL
- POWER GENERATION
- STEEL MILL

CHARACTERISTICS:

- Construction materials:
 - Carbon steel
 - Stainless steel
 - (other materials available as option)*
- Design according to:
 - ASME Sect. VIII Div. 1
 - EN 13445
 - VSR
 - (other calculation code available as option)*
- Conform to 97/23/CE PED Directive
- Conform to 94/9/CE ATEX Directive
- Available with U-Stamp certification
- Top cover closure:
 - ANSI or EN flanges
 - Swing bolts - eye bolts type
 - Quick opening closure yoke or band-lock type
- Available for pressure up to 2500# rating
- Vertical or horizontal arrangement
- Suitable for natural or process gas filtration
- In/out connections up to 36" (DN 900)
- Suitable for filtering cartridges series FVR, WL, PFG, FV6
- High filtration efficiency
- Minimal initial pressure drop

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Series DG

DRY GAS FILTERS
TAILOR MADE

TECHNICAL DATA

CONSTRUCTION MATERIAL

Body:

- Carbon steel
- 304 SS
- 316 SS
- *other materials available*

Raisers and tube sheet:

- Carbon steel
- 304 SS
- 316 SS

GASKETS

- SPIRAL WOUND
- KLINGERSIL
- BUNA-N
- VITON
- RING JOINT

IN/OUT

- Up to 36"

DESIGN PRESSURE

- Up to 2500#

ACCESSORIES

- DIFFERENTIAL PRESSURE GAUGE
- DIFFERENTIAL PRESSURE SWITCH
- VENT VALVE
- DRAIN VALVE
- PRESSURE SAFETY VALVE

Working principles:

DG series dry gas filters provide an efficient solution to remove dust and solids from process or natural gas steam, at very low pressure drop.

The dirty gas, entering the filter, encounter the cartridges support risers, the largest and heaviest solids are settled and in the mean time a direct impact of the inlet gas on the filtering cartridges is avoided.

The gas pass through the filtering cartridges from outside to inside which provide to collect the solids present; filtration efficiency depends from the installed cartridges type, usually filtration rating vary from 0.3 to 25 μm .

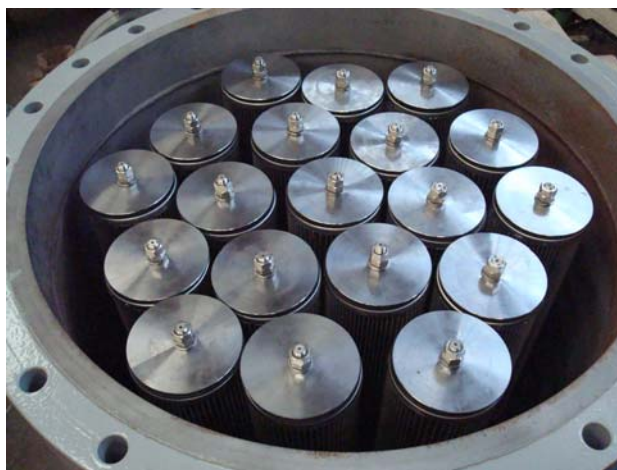
Larger solids (up to 10 - 20 μm) are collected on the external surface of the filtering cartridges, while the finest particles are collected in the thickness of the filter media.

The different available configuration allows to install disposable pleated or depth filtering cartridges as well as cleanable pleated wire mesh filtering cartridges.

Pressure loss:

The DG series dry gas filters, are usually designed for a clean pressure drop from 0.05 to 0.15 barg, depending from the provided filtering.

Usually the filtering cartridges are replaced when 1 barg pressure drop is reached.



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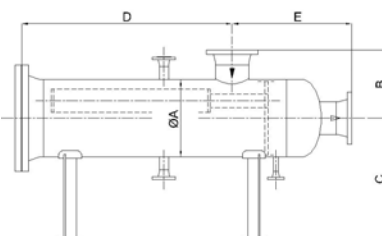
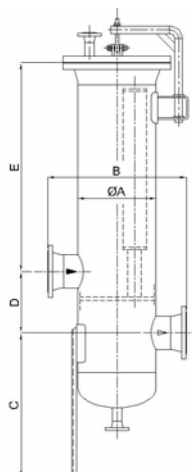
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Series 152DG dimensions - Cartridges series FV6:

Model	Dimensions [mm]					
	A	B	C	D	E	In/out
152DGT014CZ03A	219.1	520	670	250	1294	3"
152DGT014CZ04A	273.0	600	750	250	1272	4"
152DGT024CZ06A	355.6	700	800	330	1273	6"
152DGT034CZ06A	406.4	720	825	360	1280	6"
152DGT044CZ06A	457.2	770	850	360	1320	6"
152DGT054CZ08A	508.0	900	940	400	1361	8"
152DGT064CZ08A	558.8	950	940	420	1334	8"
152DGT074CZ10A	609.6	1060	1000	470	1383	10"
152DGT094CZ10A	660.4	1100	1050	500	1311	10"
152DGT124CZ12A	711.2	1150	1050	500	1365	12"
152DGT144CZ12A	762.0	1200	1130	510	1378	12"
152DGT144CZ14A	812.8	1350	1150	550	1378	14"
152DGT194CZ16A	863.6	1140	1200	600	1470	16"
152DGT204CZ16A	914.4	1500	1200	600	1470	16"

Model	Dimensions [mm]					
	A	B	C	D	E	In/out
152DGT014CL03A	219.1	260	600	1277	480	3"
152DGT014CL04A	273.0	300	600	1280	510	4"
152DGT024CL06A	355.6	350	650	1273	600	6"
152DGT034CL06A	406.4	360	680	1280	635	6"
152DGT044CL06A	457.2	385	720	1320	650	6"
152DGT054CL08A	508.0	450	800	1386	788	8"
152DGT064CL08A	558.8	475	830	1334	800	8"
152DGT074CL10A	609.6	530	850	1383	870	10"
152DGT094CL10A	660.4	550	885	1380	870	10"
152DGT124CL12A	711.2	575	900	1380	870	12"
152DGT144CL12A	762.0	600	930	1380	880	12"
152DGT144CL14A	812.8	675	960	1380	970	14"
152DGT194CL16A	863.6	720	990	1470	1030	16"
152DGT204CL16A	914.4	750	1000	1470	1040	16"

Allowable flow-rate depends from coalescer cartridges type, filtration rating, gas density and minimum working pressure.
The dimensions shown and cartridges quantity are valid for rating up to 300#; for higher rating contact ASCO Filtri for dimensions.



Series DG

DRY GAS FILTERS
TAILOR MADE

MAIN APPLICATIONS:

- PROTECTION OF:
 - COALESCER FILTERS
 - FLOW METERS
 - VALVES
 - PRESSURE REGULATORS
 - COMPRESSORS
 - TURBINES
 - BURNERS
- REFINERIES
- CHEMICAL PLANTS
- GAS PIPELINES
- GAS COMPRESSOR STATIONS
- TECHNICAL GAS PRODUCTION
- REMOVAL OF:
 - MOLECULAR SIEVES
 - CATALYSTS

FLUIDS:

- NATURAL GAS
- PROCESS GAS
- SYNGAS
- BIOGAS
- AIR
- NITROGEN
- HYDROGEN

Ordering information:

152DG	T	V	12	4	C	Z	12	A	-	XXXX
Closure T - Bolts G - Swing bolts Y - Quick opening								Nozzles type F - UNI flange A - ANSI flange		
Arrangement V - Vertical H - Horizontal								In/out 3 - 3" 4 - 4" ...		
Cartridges q.ty 1 2 3 4 5 6 7 9 12 14 19 20								In/out position Z - Side / Side L - Side / Bottom		
Cartridges length 4 - 40"								Material C - Carbon steel W - 304 SS S - 316 SS D - Duplex SS ...		



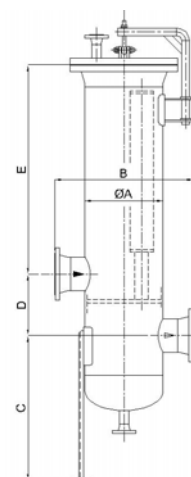
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Series DG

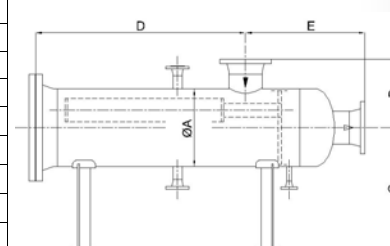
DRY GAS FILTERS
TAILOR MADE

Series 140DG dimensions - Cartridges series PFG536:

Model	Dimensions [mm]					
	A	B	C	D	E	In/out
140DGT014CZ03A	219.1	480	670	250	1200	3"
140DGT014CZ04A	273.0	600	750	250	1155	4"
140DGT024CZ06A	323.8	650	800	300	1170	6"
140DGT034CZ06A	355.6	700	800	330	1171	6"
140DGT044CZ08A	406.4	800	850	400	1205	8"
140DGT054CZ08A	457.2	850	950	400	1343	8"
140DGT074CZ08A	508.0	900	940	400	1270	8"
140DGT084CZ10A	558.8	1010	1000	470	1280	10"
140DGT094CZ10A	609.6	1060	1000	470	1280	10"
140DGT114CZ12A	660.4	1100	1050	500	1280	12"
140DGT144CZ12A	711.2	1150	1050	500	1280	12"
140DGT154CZ14A	762.0	1300	1130	550	1330	14"
140DGT194CZ14A	812.8	1350	1150	550	1320	14"
140DGT214CZ16A	863.6	1440	1200	600	1370	16"
140DGT234CZ16A	914.4	1500	1200	600	1370	16"



Model	Dimensions [mm]					
	A	B	C	D	E	In/out
140DGT014CL03A	219.1	260	600	1200	480	3"
140DGT014CL04A	273.0	300	600	1170	510	4"
140DGT024CL06A	323.8	325	625	1170	590	6"
140DGT034CL06A	355.6	350	650	1171	600	6"
140DGT044CL08A	406.4	400	680	1205	750	8"
140DGT054CL08A	457.2	425	775	1343	750	6"
140DGT074CL08A	508.0	450	800	1270?	780?	8"
140DGT084CL10A	558.8	505	830	1280	900	10"
140DGT094CL10A	609.6	530	850	1280	915	10"
140DGT114CL12A	660.4	550	915	1280	920	12"
140DGT144CL12A	711.2	575	920	1280	920	12"
140DGT154CL14A	762.0	650	930	1380	920	14"
140DGT194CL14A	812.8	675	960	1320	970	14"
140DGT214CL16A	863.6	720	990	1370	1030	16"
140DGT234CL16A	914.4	750	1000	1370	1040	16"



Allowable flow-rate depends from coalescer cartridges type, filtration rating, gas density and minimum working pressure.
The dimensions shown and cartridges quantity are valid for rating up to 300#; for higher rating contact ASCO Filtri for dimensions.

Ordering information:

140DG	T	V	01	4	C	Z	03	A	-	XXXX
Closure T - Bolts G - Swing bolts Y - Quick opening		Arrangement V - Vertical H - Horizontal		Cartridges q.ty 1 2 3 4 5 6 7 9 12 14 19 20		Cartridges length 4 - 36"		Nozzles type F - UNI flange A - ANSI flange		
								In/out 3 - 3" 4 - 4" ...		
								In/out position Z - Side / Side L - Side / Bottom		
								Materials C - Carbon steel W - 304 SS S - 316 SS D - Duplex SS		

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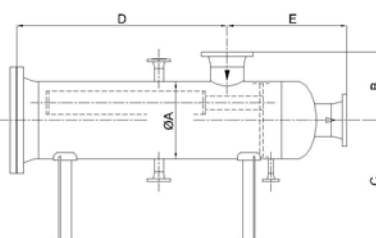
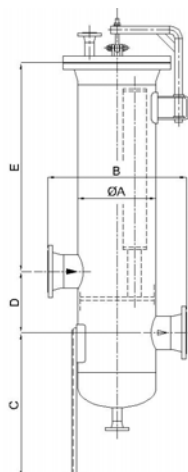
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Series 120DG dimensions- Cartridges series FVR290:

Model	Dimensions [mm]					
	A	B	C	D	E	In/out
120DGT013CZ03A	168.3	480	680	250	1000	3"
120DGT033CZ06A	323.8	650	800	300	1010	6"
120DGT043CZ06A	355.6	700	800	330	1050	6"
120DGT053CZ06A	406.4	800	850	400	1060	6"
120DGT073CZ08A	457.2	850	950	400	1100	8"
120DGT083CZ08A	508.0	900	940	400	1100	8"
120DGT103CZ10A	558.8	1010	1000	470	1110	10"
120DGT133CZ10A	609.6	1060	1000	470	1120	10"
120DGT173CZ12A	660.4	1100	1050	500	1120	12"
120DGT193CZ12A	711.2	1150	1050	500	1120	12"
120DGT213CZ14A	762.0	1300	1130	550	1160	14"
120DGT233CZ14A	812.8	1350	1150	550	1160	14"
120DGT273CZ16A	863.6	1440	1200	600	1200	16"
120DGT323CZ16A	914.4	1500	1200	600	1200	16"

Model	Dimensions [mm]					
	A	B	C	D	E	In/out
120DGT013CZ03A	168.3	240	550	1000	490	3"
120DGT033CZ06A	323.8	325	625	1010	590	6"
120DGT043CZ06A	355.6	350	650	1050	600	6"
120DGT053CZ06A	406.4	400	680	1060	750	6"
120DGT074CZ08A	457.2	425	775	1080	750	8"
120DGT084CZ08A	508.0	450	800	1100	780	8"
120DGT103CZ10A	558.8	505	830	1120	900	10"
120DGT133CZ10A	609.6	530	850	1130	915	10"
120DGT173CZ12A	660.4	550	915	1130	920	12"
120DGT193CZ12A	711.2	575	920	1130	920	12"
120DGT213CZ14A	762.0	650	930	1130	920	14"
120DGT232CZ14A	812.8	675	960	1150	970	14"
120DGT273CZ16A	863.6	720	990	1200	1030	16"
120DGT323CZ16A	914.4	750	1000	1200	1040	16"

Allowable flow-rate depends from coalescer cartridges type, filtration rating, gas density and minimum working pressure.
The dimensions shown and cartridges quantity are valid for rating up to 300#; for higher rating contact ASCO Filtri for dimensions.



Ordering information:

120DG	G	V	13	3	C	Z	10	A	-	XXXX
Closure T - Bolts G - Swing bolts Y - Quick opening								Nozzles type F - UNI flange A - ANSI flange		
Arrangement V - Vertical H - Horizontal								In/out 3 - 3" 4 - 4" ...		
Cartridges q.ty 1 2 3 4 5 6 7 9 12 14 19 20								In/out position Z - Side / Side L - Side / Bottom		
Cartridges length 1 - 13" 2 - 20" 3 - 30"								Materials C - Carbon steel W - 304 SS S - 316 SS D - Duplex SS ...		

Series DG

DRY GAS FILTERS
TAILOR MADE

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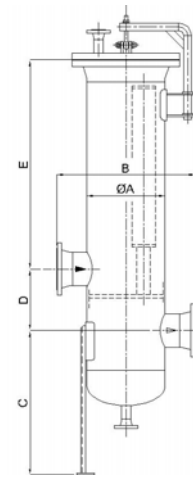
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Series DG

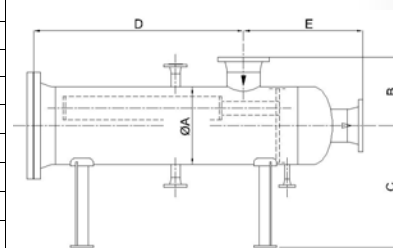
DRY GAS FILTERS
TAILOR MADE

Series 116DG dimensions - Cartridges series PFG336:

Model	Dimensions [mm]					
	A	B	C	D	E	In/out
116DGT014CZ03A	168.3	480	680	250	1168	3"
116DGT024CZ04A	273.0	600	750	250	1155	4"
116DGT034CZ06A	323.8	650	800	300	1170	6"
116DGT044CZ06A	355.6	700	800	330	1171	6"
116DGT064CZ08A	406.4	800	850	400	1205	8"
116DGT074CZ08A	457.2	850	950	400	1241	8"
116DGT084CZ08A	508.0	900	940	400	1270	8"
116DGT124CZ10A	558.8	1010	1000	470	1280	10"
116DGT144CZ10A	609.6	1060	1000	470	1280	10"
116DGT174CZ12A	660.4	1100	1050	500	1280	12"
116DGT194CZ12A	711.2	1150	1050	500	1280	12"
116DGT224CZ14A	762.0	1300	1130	550	1330	14"
116DGT264CZ14A	812.8	1350	1150	550	1320	14"
116DGT304CZ16A	863.6	1440	1200	600	1370	16"
116DGT354CZ16A	914.4	1500	1200	600	1370	16"



Model	Dimensions [mm]					
	A	B	C	D	E	In/out
116DGT014CL03A	168.3	240	550	1168	490	3"
116DGT024CL04A	273.0	300	600	1170	510	4"
116DGT034CL06A	323.8	325	625	1170	590	6"
116DGT044CL06A	355.6	350	650	1171	600	6"
116DGT064CL08A	406.4	400	680	1205	750	8"
116DGT074CL08A	457.2	425	775	1240	750	8"
116DGT084CL08A	508.0	450	800	1270	780	8"
116DGT124CL10A	558.8	505	830	1280	900	10"
116DGT144CL10A	609.6	530	850	1280	915	10"
116DGT174CL12A	660.4	550	915	1280	920	12"
116DGT194CL12A	711.2	575	920	1280	920	12"
116DGT224CL14A	762.0	650	930	1280	920	14"
116DGT264CL14A	812.8	675	960	1320	970	14"
116DGT304CL16A	863.6	720	990	1370	1030	16"
116DGT354CL16A	914.4	750	1000	1370	1040	16"



Allowable flow-rate depends from coalescer cartridges type, filtration rating, gas density and minimum working pressure.
The dimensions shown and cartridges quantity are valid for rating up to 300#; for higher rating contact ASCO Filtri for dimensions.

Ordering information:

116DG	Y	H	19	4	C	L	12	A	-	XXXX
Closure T - Bolts G - Swing bolts Y - Quick opening		Arrangement V - Vertical H - Horizontal		Cartridges q.ty 1 2 3 4 5 6 7 9 12 14 19 20		Cartridges length 4 - 36"		Nozzles type F - UNI flange A - ANSI flange		
								In/out 3 - 3" 4 - 4" ...		
								In/out position Z - Side / Side L - Side / Bottom		
								Materials C - Carbon steel W - 304 SS S - 316 SS D - Duplex SS		

We reserve the right to change the data of this specification without notice.

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