

Media: air
 Inlet Pressure: 16 Bar max
 Pressure range: 0 to 16 Bar
 Media temp: +1.5°C to +80°C
 Ambient temp: +1.5°C to +85°C
 Mounting: Upright +/- 5°



YD Air Filter

1 1/2, 2, 2 1/2 & 3 inch

Standard + Carbon

Manual or Auto Drain

0 - 16 Bar

TYPE YD

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FLOW

Ø Port BSP	Filter Element Types	Flow @ 100 psi		Part Number PF, AO or AA Elements	Part Number ACS Activated Carbon Element
		M³/min	scfm		
1 1/2	PF=5µm: ISO12500-1 Efficiency 50% Residual oil 5mg/M³	7.2	254.2	YD145 + PF, AO, or AA	YD145 + ACS
		12	423.7	YD220 + PF, AO, or AA	YD220 + ACS
2	AO=1µm Coalescing ISO12500-3 Efficiency 99.999+% ISO12500-1 Efficiency 80% Residual oil 2mg/ M³	16	564.8	YD330 + PF, AO, or AA	YD330 + ACS
		14	494.4	YD260 + PF, AO, or AA	YD260 + ACS
2 1/2	AA =0.01µm Coalescing ISO12500-3 Efficiency 99.999+% ISO12500-1 Efficiency 99.9+% Residual oil <0.01 mg/ M³	19	670.7	YD360 + PF, AO, or AA	YD360 + ACS
		22	776.6	YD405 + PF, AO, or AA	YD405 + ACS
3	ACS=Activated Carbon ISO15200-3 Efficiency 99.999+% Residual oil <0.003 mg/ M³	28	988.4	YD430 + PF, AO, or AA	YD430 + ACS
		37.2	1313.6	YD620 + PF, AO, or AA	YD620 + ACS

OPTIONS

Filter element, differential pressure status gauge, sight glass, Auto drain (Except YD145 manual drain)
 Filter elements **PF**=5µm, **AO**=1µm coalescing, **AA** =0.01µm coalescing or **ACS**=activated carbon. **Included**
Included

CONSTRUCTION

Body and Filter bowls Die cast aluminium alloy, cleaned + degreased, anti-corrosion protected + painted
 Test Pressure: 32 Bar, burst pressure 105 Bar
 Filters replacement period 6000 to 8000 hours

REPLACEMENT FILTER ELEMENTS

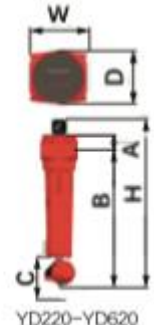
PF 5µm, AO 1µm and AA 0.01µm elements	ACS Activated Carbon Elements
L145 PF, AO, AA element for YD145 L220 PF, AO, AA element for YD220 L330 PF, AO, AA element for YD330 L260 PF, AO, AA element for YD260 L360 PF, AO, AA element for YD360 L405 PF, AO, AA element for YD405 L430 PF, AO, AA element for YD430 L620 PF, AO, AA element for YD620	L145 ACS element for YD145 L220 ACS element for YD220 L330 ACS element for YD330 L260 ACS element for YD260 L360 ACS element for YD360 L405 ACS element for YD405 L430 ACS element for YD430 L620 ACS element for YD620

OVERALL DIMENSIONS

Pressure correction factor for maximum flow rate,
 Multiply model flow rate (above) by correction factor (Below table) according to minimum operating pressure.

Pressure Bar	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Pressure PSI	15	29	44	59	73	87	100	116	131	145	160	174	189	203	219	232
Correction Factor	0.38	0.53	0.65	0.76	0.85	0.93	1	1.07	1.13	1.19	1.23	1.31	1.36	1.41	1.46	1.51

Model	Pipe BSPT	Width (mm)	Depth (mm)	Height (mm)	A	B	C
YD145	1 1/2	120	110	477	55	377	290
YD220	2	162	151	676	64	566	480
YD330	2	162	151	984	64	875	780
YD260	2 1/2	162	151	676	64	566	480
YD360	2 1/2	162	151	984	64	875	780
YD405	2 1/2	200	189	757	78	634	560
YD430	3	200	189	757	78	634	560
YD620	3	200	189	1012	78	889	780



Filtration Grades

- Grade AO** – High Efficiency General Purpose Protection: Particle removal down to 1 micron, including water and oil aerosols. Maximum remaining oil aerosol content 0.6mg/m3 at 21C / 0.5ppm(w) at 70F.
- Grade AA** – High Efficiency Oil Removal Filtration: (Precede with Grade AO filter). Particle removal down to 0.01 micron including water and oil aerosols. Maximum remaining oil aerosol content 0.01mg/m3 at 21C / 0.01ppm(w) at 70F.
- Grade ACS** – Oil Vapour & Odour removal: (Precede Grade ACS with Grade AA filter) Maximum remaining oil vapour content 0.003mg/m3 at 21C / 0.003 ppm(w) at 70F.
- Grade AR** – General Purpose Dust Filtration: Dry particle removal to 1 micron.