GSA Air Dryers

HYF-A(N) series
Compressed air filters
Global Standard Air & Gas

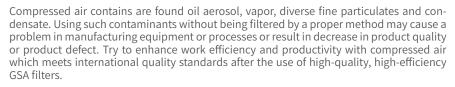




A Filter Designed to Remove Impurities in Compressed Air

Importance of Quality of Compressed Air







Install proper particulate, coalescing and carbon filters according to the quality of compressed air.

Compressed Air Quality Level								
ISO8573-1-2010 CLASS	Maximum	number of partic	Vapour Pressure Dew Point °C	Total Oil				
	0.1~0.5 micron	0.5~1.0 micron	1.0~5.0 micron	at 7 barg	mg/m³			
1	20,000	400	10	-70	0.01			
2	400,000	6,000	100	-40	0.1			
3	-	90,000	1,000	-20	1			
4	-	-	10,000	3	5			
5	-	-	100,000	7	-			
6	-	-	-	10	-			



Filter Installation according to Quality of Compressed Air (Recommended)



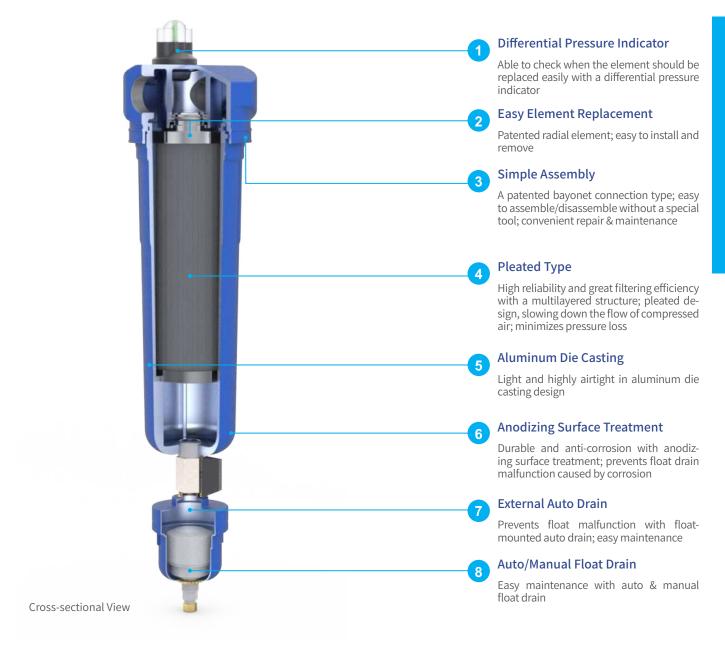
Safe and Easy Maintenance



The bayonet connection structure enables filter assembly/disassembly without a special tool. It is also easy to assemble the element, ensuring safe and easy maintenance.

Since easy assembly/disassembly and maintenance are enabled in a minimum installation space, any inconvenience resulting from spatial constraints is minimized.

Features and Advantages of Filter

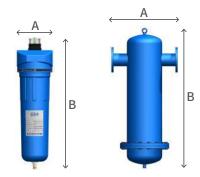




Technical Specification

References

- Inlet Air Pressure: 7.0 barg
- Design Pressure: 14 barg(50AN or lower) / 9.7 barg(65A or higher)
- Maximum Operating Temperature for Elements : 40/5 μm(Max.65 C), 1/0.1/0.01 ppm(Max.54 C)
- Materials used under particular pressure or those made with stainless steel are custom-made.
- A filter support should be HYF-125A or higher.
- Filter Nomenclature
 - Filter Model: HYF-40-15AN(Filter Filtration Rate Connection)
 - Element Model: HYE-40-15AN(Element Filtration Rate Connection)
- 'HYE XX 50A (bolt)' applies for HYF-65A or higher models. The quality can vary depending on each model. Please check quantity before placing an order.



Filter Element

Model		Particle Removal	Oil Removal (@ 20°C)	Maximum Operating Temperature	Differential Pressure(barg)		Differential Pressure Indicator (Element Replacement)		Element	
				°C	Dry	Wet	DPI Color	Month	Color	Material
H Y E	40	40 Micron	-	65	0.05	0.15	RED	6	White	Polyethylene
	5	5 Micron	-		0.05	0.15			White	Polyethylene
	1	1 Micron	1 ppm	54	0.15	0.3			Red	Borosilicate
	0.1	1 Micron	0.1 ppm		0.15	0.3			White	Borosilicate
	0.01	1 Micron	0.01 ppm		0.15	0.3			Yellow	Borosilicate
	0.003	-	0.003 ppm		0.1	0.2			White	Activated Carbon

Filter

	Model	Flow Rate		Maximum Operating Pressure	Connection	Element Quantity	Dimensions	Weight
Model		Nm³/min	CFM	barg	Α	EA	(A x B) mm	kg
H Y F	15AN	0.8	28	13	PT 15A	1	85 x 185	0.8
	20AN	1.7	60		PT 20A	1	85 x 225	1
	25AN	3.4	120		PT 25A	1	105 x 330	1.9
	40AN	10	353		PT 40A	1	165 x 440	5.5
	50AN	14	494		PT 50A	1	165 x 540	6.5
	65A	28	989	9.7	FLG. 65A	2	550 x 1143	88
	80A	42	1483		FLG. 80A	3	550 x 1143	103
	100A	70	2472		FLG. 100A	5	600 x 1180	120
	125A	84	2966		FLG. 125A	6	700 x 1251	170
	150A	112	3955		FLG. 150A	8	700 x 1251	180
	200A	196	6922		FLG. 200A	11	1000 x 2367	300
	250A	330	11654		FLG. 250A	19	1200 x 2705	400

High-pressure Filter

Model		Flow Rate		Maximum Operating Pressure	Connection	Element Quantity	Dimensions	Weight
		Nm³/min	CFM	barg	А	EA	(A x B) mm	kg
	15H	1	35	35.0	PT 15A	1	106 x 340	17
H Y F	20H	1.9	67		PT 20A	1	106 x 390	19
	25H	3.4	120		PT 25A	1	106 x 510	21
	40H	10	353		PT 40A	1	144 x 700	25
	50H	14	494		PT 50A	1	185 x 925	28















