

# YUKA

## YFB Series

COMPRESSED AIR FILTERS

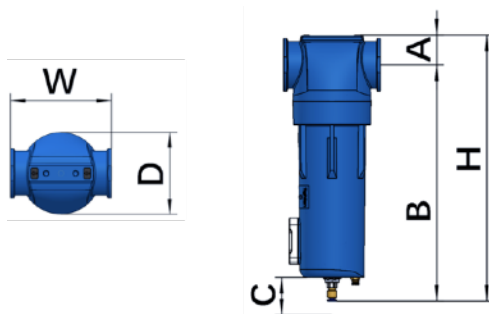
*Flow rate 1.0 to 48.0 m<sup>3</sup>/min, Pressure 2 to 16 bar*



# Product Selection

Below flow rates of compressed air are calculated in rated working pressure of 7 bar (100 psi g) with reference to 20 °C.

Model	Inlet/ Outlet (Rc)	Rated Air Flow at 7 bar			Dimensions (mm)					
		L/S	Nm³/min	Scfm	Width (W)	Depth (D)	Height (H)	A	B	C (Left space)
YFB010	1/2"	16.7	1.0	35.5	96	79	245	29	180	118
YFB020	3/4"	25.0	1.5	53.0	96	79	245	29	180	118
YFB030	3/4"	30.0	1.8	63.6	96	79	274	29	209	153
YFB040	1"	33.3	2.0	71.0	96	79	274	29	209	153
YFB060	1"	60.0	3.6	127.0	138	111	349	37	276	208
YFB070	1"	83.3	5.0	177.0	138	111	450	37	377	303
YFB080	1-1/2"	125.0	7.5	265.0	138	111	450	37	377	303
YFB090	2"	166.7	10.0	353.1	174	142	558	58	500	467
YFB100	2-1/2"	216.7	13.0	459.0	174	142	558	58	500	467
YFB110	2"	283.3	17.0	600.0	174	142	838	58	780	794
YFB120	2-1/2"	316.7	19.0	671.0	174	142	838	58	780	794
YFB130	3"	416.7	25.0	883.0	220	184	616	74	542	514
YFB140	4"	466.7	28.0	989.0	220	184	616	74	542	514
YFB150	3"	683.3	41.0	1448.0	220	184	872	74	798	764
YFB160	4"	800.0	48.0	1695.0	220	184	872	74	798	764



Pressure	Barg	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Psig	15	29	44	59	73	87	100	116	131	145	160	174	189	203	219	232
Pressure Correction Factor		0.38	0.53	0.65	0.76	0.85	0.93	1.00	1.07	1.13	1.19	1.23	1.31	1.36	1.41	1.46	1.51

To correctly select an air filter model, the flow rate of the air filter must be adjusted for the minimum operating (inlet) pressure at the point of installation.

## Calculate the adjust filtration capacity:

1. Minimum Filtration Capacity = Compressed Air Flow Rate x pressure correction factor rate.
2. Using the minimum filtration capacity, select an air filter model from the flow rate tables above (air filter selected must have a flow rate equal to or greater than the minimum filtration capacity).

# The Benefits of Using YUKA Original Filter elements

- High quality compressed air Guaranteed.
- Protection of adsorption dryer beds.
- Protection of downstream equipment
- Reduced operational costs.
- Increased productivity & profitability.
- Continued peace of mind.



Element Grade	PF	AO	AA	AX	ACS	AR	AAR
Solid particle size (ISO12500-3)	5 µm	1 µm	0.01µm	0.01µm	N/A	1µm	0.01µm
Flow	Inside to outside	Inside to outside	Inside to outside	Inside to outside	Inside to outside	outside to inside	outside to inside
Remove efficiency (ISO12500-3)	N/A	99.999+%	99.999+%	99.999+%	99.999+%	99.999+%	99.999+%
Residual oil content(ISO12500-1)	5 mg/m³	0.6 mg/m³	<0.01mg/m³	< 0.001 mg/m³	< 0.003 mg/m³	N/A	N/A
Oil remove efficiency (ISO12500-1)	50%	90%	99.99+%	99.99%	N/A	N/A	N/A
Dry pressure drop	N/A	80 mbar	80 mbar	90 mbar	140 mbar	N/A	N/A
Wet pressure drop	N/A	200 mbar	200 mbar	200 mbar	N/A	N/A	N/A
Every change	6000 hours	8000 hours	8000 hours	8000 hours	when oil detected	6000 hours	6000 hours
Flow medium	Compressed air and gaseous nitrogen						
Max. Working pressure	16 bar						
Max. working temperature	80 °C	80 °C	80 °C	80 °C	60 °C	80 °C	80 °C

# OEM Capabilities

When you need a special filter for a unique application, HSAIR experts are ready to work with you. We can tailor a configuration to meet your special need from the wide variety of filter media available. In addition, with LEAN manufacturing, we can produce specials in reasonable quantities, in a reasonable amount of time, at a reasonable price. Not only will this enhance the performance of your product, but it will benefit you with aftermarket sales of replacement elements.

## OUR RANGES OF PRODUCTS INCLUDE THE FOLLOWING:

- Compressed air dryers
- Compressed air filters
- Compressed air water separators
- Alternative air filter elements
- Condensate auto drain
- Compressed air accessories
- Portable mask

We reserve the right to make technical changes. Error excepted.



Since 1998, a leading manufacturer of quality compressed air treatment in China



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