

Supply clean air by best filtrations of compressed air

HITACHI FILTERS

Line Filter/Oil Mist Filter/Deodorant Filter



Supply Clean and Odorless Air

Features

High quality filters conformable to ISO 8573

- Line Filter with 1 micro meter filter finess.
- Oil Mist Filter with 0.01 wtppm of oil concentrations of outlet air.
- Deodorant Filter with 0.003 wtppm of oil concentrations of outlet air.

Maintenance Friendly

- Unique housing structure gives easy installation and maintenance.

High durability

- Stainless steel housing provides higher durability.
(Note: Alloyed aluminum for 15B and lower.)

Model nomenclature for Easy selection

- Filter size number matches the ratings of compressor main motor output for easy model selection.



Filter element

Standard Specifications

Item			7.5BX	11B	15B	22B	37B	55B	75B	100B	125B	160B	200B	240B	
Common Item	Processed air condition	Air processing capacity (at atmospheric pressure)	m ³ /min	1.2	1.8	2.4	3.9	6.6	10.6	13.8	20.0	27.6	32.0	40.0	50.0
		Inlet air temperature	°C	30											
		Inlet air pressure	MPa	0.69											
	Operating condition	Working fluid	—	Compressed air											
		Max. operating pressure	MPa	0.97											
In/Out connections		inch	Rc3/4	Rc3/4	Rc3/4	Rc1	Rc1 1/2	Rc1 1/2	Rc2	Rc2	2 1/2 Flange	3 Flange	3 Flange	4 Flange	
Item			Model	HAF-7.5BX	HAF-11B	HAF-15B	HAF-22B	HAF-37B	HAF-55B	HAF-75B	HAF-100B	HAF-125B	HAF-160B	HAF-200B	HAF-240B
Line Filter	Working range	Inlet air temperature	°C	5 ~ 60											
		Ambient temperature	°C	2 ~ 60											
	Filtration		μm	1 (Note1)											
	Filtration efficiency rating		%	99.999											
	Pressure drop	Initial	MPa	0.005 or less											
		Replace	MPa	0.07											
	Dimensions (diameter x length)		mm	92×237	115×287	115×455	160×509	170×591	170×699	173×792	173×949	590×1,512	590×1,512	590×1,512	640×1,735
	Pressure differential gauge connection		inch	1/4											
Weight		kg	1	1.5	2	3	3.3	3.7	4.3	6	57	61	61	73	
Item			Model	HMF-7.5BX	HMF-11B	HMF-15B	HMF-22B	HMF-37B	HMF-55B	HMF-75B	HMF-100B	HMF-125B	HMF-160B	HMF-200B	HMF-240B
Oil Mist Filter	Working range	Inlet air temperature	°C	5 ~ 60											
		Ambient temperature	°C	2 ~ 60											
	Outlet oil concentrations		wtppm	0.01 (Note 2)											
	Pressure drop	Initial	MPa	0.01											
		Replace	MPa	0.07											
Dimensions (diameter x length)		mm	92×237	115×368	115×536	160×582	170×664	170×772	173×865	179×1,022	590×1,512	590×1,512	590×1,512	640×1,735	
Pressure differential gauge connection		inch	1/4												
Weight		kg	1	1.5	2	3	3.3	3.7	4.3	6	57	61	61	73	
Item			Model	HKF-7.5BX	HKF-11B	HKF-15B	HKF-22B	HKF-37B	HKF-55B	HKF-75B	HKF-100B	HKF-125B	HKF-160B	HKF-200B	HKF-240B
Deodorant Filter	Working range	Inlet air temperature	°C	5 ~ 60											
		Ambient temperature	°C	2 ~ 60											
	Outlet oil concentrations		wtppm	0.003 (Note 3)											
	Pressure drop		MPa	0.007											
	Dimensions (diameter x length)		mm	92×232	115×231	115×231	160×308	170×390	170×498	173×591	173×748	590×1,512	590×1,512	590×1,512	640×1,735
	Pressure differential gauge connection		inch	1/4											
Weight		kg	1	1.5	2	3	3.3	3.7	4.3	6	57	61	61	73	

●Proper air dryer shall be installed before air filters.

Note:(1) Corresponds to ISO8573-1 class 2 [Contaminants and quality classes] Inlet oil concentrations 3 wtppm.

(2) Corresponds to ISO8573-1 class 1 [Contaminants and quality classes] Inlet oil concentrations 3 wtppm.

(3) Converted figures based on ISO8573-2 [Test method for aerosol oil content] Inlet oil concentrations 0.01 wtppm.

Safety Precautions

■Regarding usage

- Prior to operation of the Hitachi HDR air dryer, ensure that all operators read and understand the INSTRUCTION MANUAL completely, thereby operating it safely and properly.
- Never remove a protective device from the air compressor or modify the air compressor or its component for safety and proper operation.

Specifications in this catalog are subject to change with or without notice, as Hitachi continues to develop the latest technologies and products for its customers.

Hitachi Industrial Equipment Systems Co., Ltd.

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ISO 14001
authorization

ISO 9001
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