

How to Order

FH 3 40 - 03 - 0 0 0 - P 005 L

Hydraulic filter

Operating pressure (Max.)

3	3.5 MPa
4	7 MPa
5	14 MPa
6	21 MPa

Construction/Connection

40	Element upward removal	Threaded
42*	Element upward removal	Flange

* Indicates 42 for 3.5 MPa. Port sizes 3/4 and 1.

Port size

Symbol	Threaded Rc	Flange SSA
03	3/8	—
04	1/2	15 (1 1/2 ^B)
06	3/4	20 (3/4 ^B)
08	1	25 (1 ^B)
10	1 1/4	32 (1 1/4 ^B)
12	1 1/2	40 (1 1/2 ^B)
16	—	50 (2 ^B)
20	—	65 (2 1/2 ^B)
24	—	80 (3 ^B)

Differential pressure indication

0	None
1	Differential pressure indicator
2	Differential pressure indication switch (Note)
4*	Differential pressure indicator
5*	Differential pressure indication switch (Note)

Note) N.C. and N.O. common
* Construction 42 only

Relief valve

0	With relief valve
1	None

Nominal filtration

005	5 μm
010	10 μm
020	20 μm

Note) The paper elements for water-glycol or emulsion is 10 μm only.

Made to Order

Nil	None (Standard)
X0	Micromesh element equipped

Note) [Click here for details](#)

Fluid direction

Nil	IN left
L	IN right

Hydraulic fluid

0	Petroleum	N
1	Water-glycol, Emulsion	W
2	Phosphoric ester	V

Note) N, W and V refer to the hydraulic fluid symbol indicated at the end of the element part number.

Element

P	Paper
M*	Micromesh

* The micromesh element is a made to order specification (X0).

Replacement Element Part No. (Including O-ring for element)

Port size	5 μm	10 μm	20 μm	Element size
03 (3/8 ^B), 04 (1/2 ^B)	EP910-005N	EP910-010N	EP910-020N	ø55 x 90
06 (3/4 ^B), 08 (1 ^B)	EP020-005N	EP020-010N	EP020-020N	ø74 x 117
10 (1 1/4 ^B), 12 (1 1/2 ^B)	EP120-005N	EP120-010N	EP120-020N	ø74 x 195
16 (2 ^B)	EP220-005N	EP220-010N	EP220-020N	ø88 x 282
20 (2 1/2 ^B), 24 (3 ^B)	EP820-005N	EP820-010N	EP820-020N	ø119 x 280

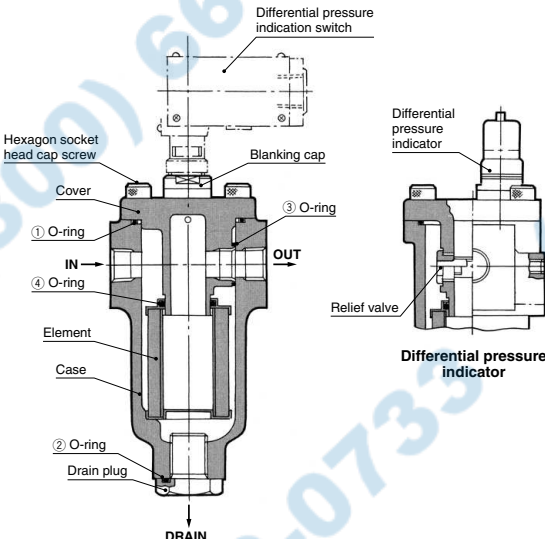
Note 1) The symbol at the end of the element part no. indicates the hydraulic fluid type.

N: Petroleum, V: Phosphoric ester, W: Water-glycol, Emulsion (10 μm only)

Note 2) Refer to page 528 for micromesh elements.

Note 3) Above elements require one element per filter.

Construction/Seal List



Replacement O-ring/Seal List (One each of the seal and O-ring types listed below are required per filter.)

Applicable hydraulic fluid	Port size	Applicable hydraulic fluid	Material	① O-ring order no. (Nominal size)	② O-ring order no. (Nominal size)	Material	③ O-ring order no. (Nominal size)	④ O-ring order no. (Nominal size)	
FH340	03 to 04	Petroleum, Water-glycol, Emulsion	NBR-90	KA00617 (G80)	KA00630	NBR-70-1	KA00468 (P22A)	KA00471 (P30)	
FH34□	06 to 08			KA00611 (G105)			KA00079 (P32)	KA00082 (P44)	
FH4□ to 6□	03 to 04			KA00615 (G65)			KA00074 (P20)	KA00471 (P30)	
FH4□ to 6□	06 to 08			KA00618 (G90)			KA00079 (P32)	KA00082 (P44)	
FH4□ to 6□	10 to 12			KA00611 (G105)			KA00803 (P40)	KA00806 (P50)	
FH341 to 641	16			KA00612M (G145)			KA00809 (P85)		
FH441	20 to 24			KA00612M (G145)			KA00809 (P85)		
FH340	03 to 04			KA01296M (G80)			KA00631M	KA00713 (P22A)	KA00104 (P30)
FH34□	06 to 08			KA02476 (G105)				KA00720 (P32)	KA00107 (P44)
FH4□ to 6□	03 to 04			KA01759 (G65)				KA00102 (P20)	KA00104 (P30)
FH4□ to 6□	06 to 08	Phosphoric ester	FKM-90	KA02477 (G90)	FKM-70	KA00720 (P32)		KA00107 (P44)	
FH4□ to 6□	10 to 12					KA00722 (P40)		KA00636 (P50)	
FH341 to 641	16					KA00636 (P50)		KA00636 (P50)	
FH441	20 to 24					KA00725 (P85)		KA00725 (P85)	

Note) The material and nominal size notations are based on JISB2401.