

EHGP Series

● DESCRIPTION

High pressure filter

Connection type and size"

Side panel connection: 1 ¼"

Maximum flow rate up to 480l/min

● TECHNICAL PARAMETER

Maximum working pressure: 420 bar

Bypass valve opening pressure: 3.4 bar

Transmitter opening pressure: 2.4 bar

Temperature range: -29 to +120

● MATERIALS

Head: Carbon steel

Filter bowl: Carbon steel
Seals: NBR
nitrile rubber (standard)

Or FKM fluororubber (customizable)

Filter element material: Fiberglass



● MEDIA COMPATIBILITY

Suitable for mineral oil, lubricating oil, fire-resistant oil, and rapidly biodegradable media.
(If used for water-based or special media, please consult our sales department.)

Ordering Options Table

EHGP 143 S20 08 12 N B C

Filter type

Filter specification

143

Connection type and size

Type	Connection	Filter size			
		04	08	13	16
S20	1 1/4"	●	●	●	●

Filter element length

04" 08" 13" 16"

Filter fineness(μm)

3 5 7 12 25

Seals

N: NBR V: FKM

Bypass valve opening pressure

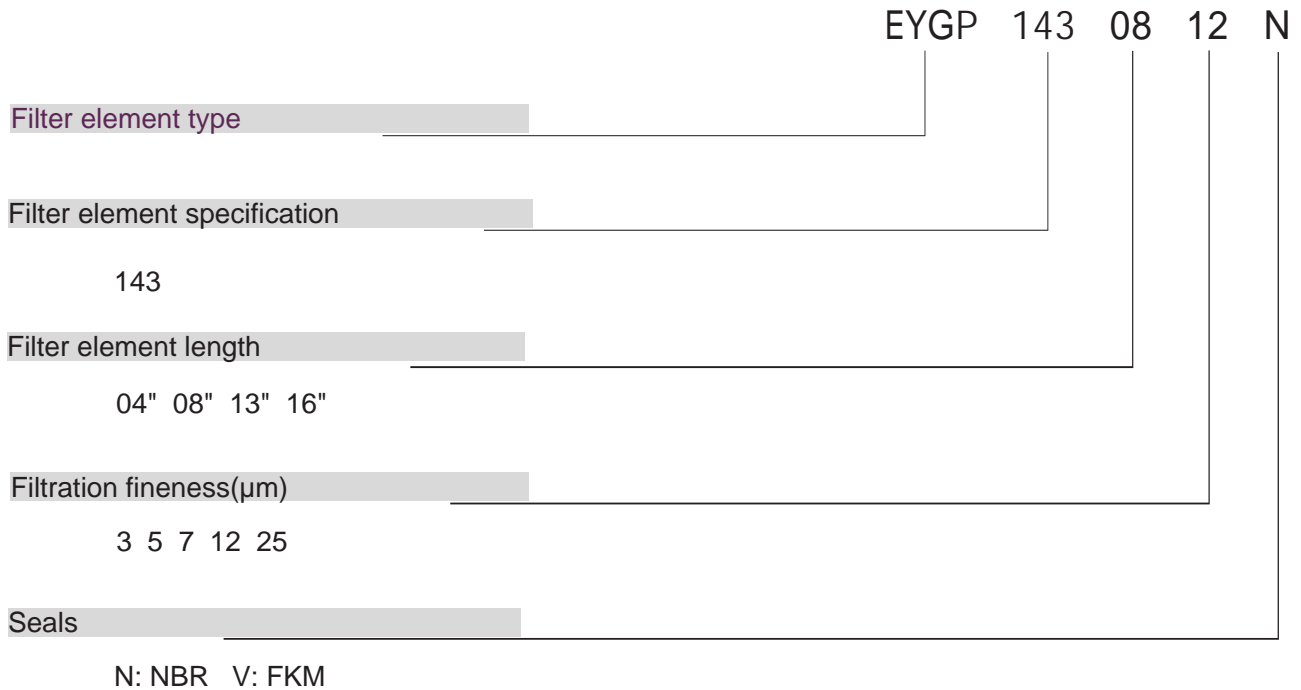
B = 3.4 bar

N = Without bypass valve

Differential pressure transmitter

- A: Steel blanking plug in indicator port
- EB: Visual (Automatic reset)
- E: Visual (Manual reset)
- R: Electrical indicator
- RL: Visual and electrical indicators
- M: Electrical indicator
- ML: Visual and electrical indicators

Filter Element

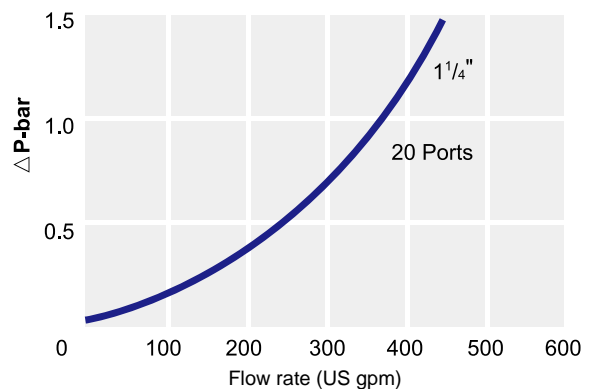


Maintenance Instructions

Filter housing must be grounded
 When using electric plugging, please replace the filter element.
 The system must be turned off before removing the clogging indicator light and power connector.

Differential pressure information

Differential pressure of filter housing with a fluid specific gravity of 0.9.
 Housing pressure drop is directly proportional to specific gravity.



Filter element pressure difference

The actual flow rate is multiplied by the coefficient to obtain a filtration viscosity of 32 cSt (150 SUS). The specific gravity is 0.9. The pressure difference of the filter element when the fluid is flowing.

Note: The flow rate of the coefficient values in the table is 1000 l/min or 1 US gpm.

143 Series Filter Elements —bar/1000 l/min (psid/US gpm)

Length Code	3	5	7	12	22
04	11.96	6.18	4.44	3.24	2.29
08	6.11	3.14	2.29	1.70	1.19
13	3.74	1.93	1.41	1.03	0.73
16	2.84	1.46	1.07	0.78	0.55

DIMENSIONS

