Hi-Flo 9

Filters

Models 60 to 120

M004-13 – Rev. 02 – 09/2013

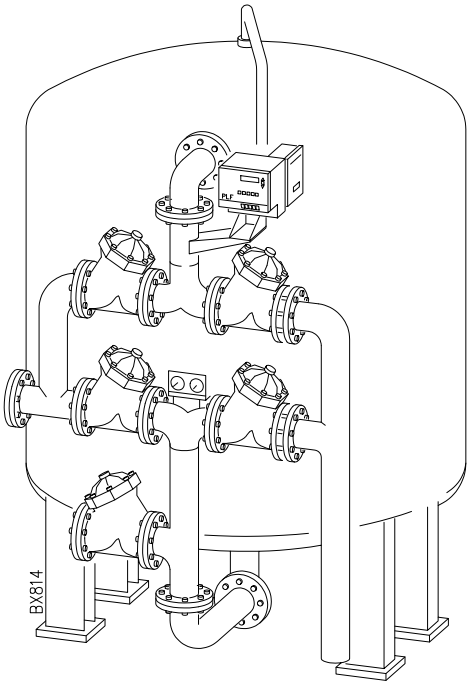
Technical Sheet

General

Hi-Flo 9 Culligan Filters are designed to respond to industrial proposes.

They are controlled by diaphragm valves opening and closing singly to direct the water flow during service and backwash steps.

A timer activates a pilot valve which opens and closes the diaphragm valves.



It can also be started manually and the filter will automatically resume service at the end of backwash step.

Backwash is automatically started by an electronic programmer, at any time of the day or night, on any day of the week.

All models feature the harness in cast iron, with epoxy coating.

The filter tanks are internally protected by a controlled thickness of epoxy paint, and externally coated with a neutral synthetic enamel.

Culligan Hi-Flo and TWIN Filters cover any requirements for mechanical filtration and for chemico-physical filtration obtained by means of filtering layers.

The processes employed in Hi-Flo and TWIN Filters are:

- **Filtr-Cleer (UF)**: to remove any kind of turbidity from the water, and small quantities of Iron and Manganese; the Minerals utilized are anthracite and silica, chemically inert and of unlimited life.
- **Cullar (UR)**: to remove undesirable odour, taste and colours, as well as excess Chlorine. Cullar is a granular form of activated carbon.
- **Super Iron (UFP)**, for selective Iron and Manganese removal UFP Mineral has a strong catalising effect, enhanced by the injection of a proper chemical.

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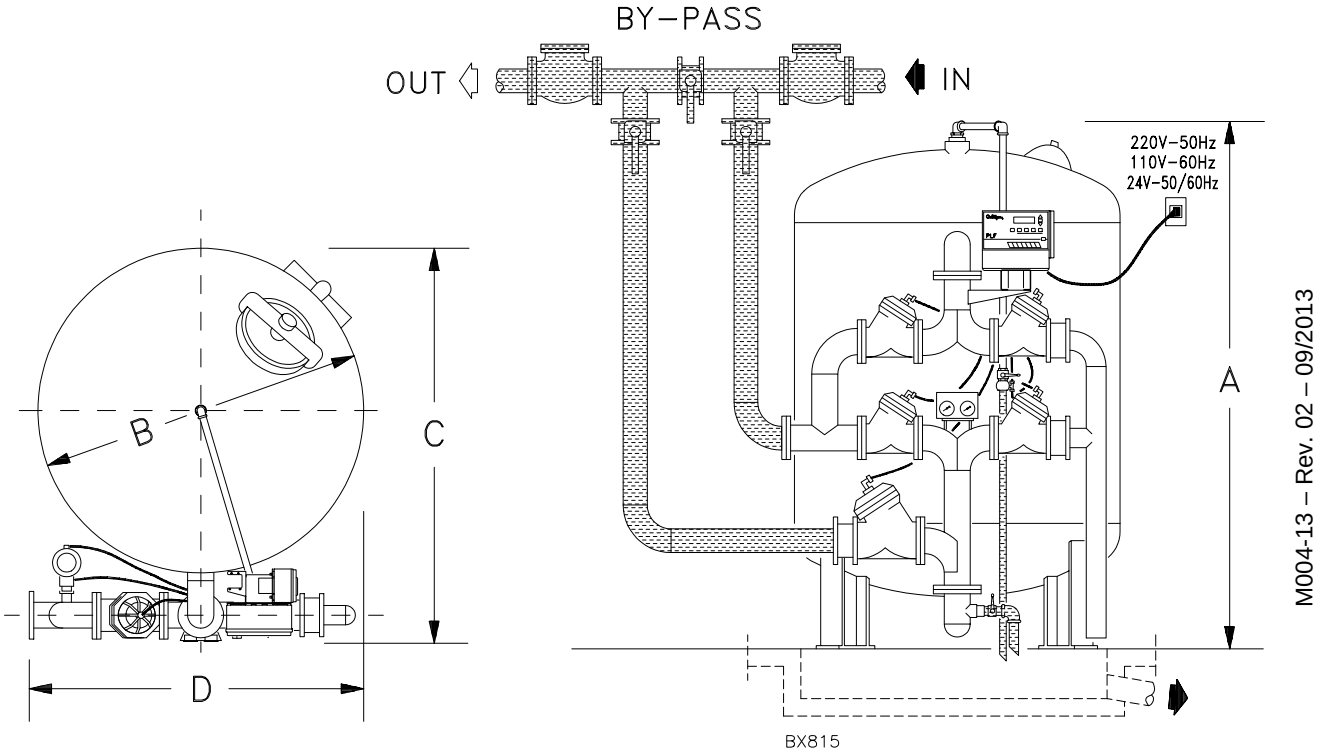

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TECHNICAL SPECIFICATIONS

Models	Flow Rates Service min. *m³/h*	Flow Rates Service max. *m³/h*	Backwash *m³/h*	Total washing drain *m³*	Max pressure loss *bar*	In/IOut Fitting *dia.*	Weight Operating *kg*	Weight Shipping *kg*	Overall Dimensions A *mm*	Overall Dimensions B dia. *mm*	Overall Dimensions C *mm*	Overall Dimensions D *mm*
FILTR-CLEER (turbidity)												
UF 60	17	42	61,3	16	1	DN 80 (3”)	5500	4050	2547	1500	1760	1500
UF 72	25	60	90,8	24,5	1	DN 100 (4”)	6400	5450	2570	1800	2150	1800
UF 84	32	80	129,4	33	1	DN 100 (4”)	10650	7700	3090	2100	2450	2100
UF 90	36	86	147,7	39,5	1	DN 100 (4”)	12450	9010	3100	2300	2630	2300
UF 100	49	117	174,9	46	1	DN 150 (6”)	16100	11700	3070	2500	2950	2500
UFe 100	49	117	174,9	46	1	DN 100 (4”)	16100	11700	2970	2500	2850	2500
UF 120	70	170	250	53,5	1	DN 150 (6”)	32000	18800	3600	3000	3490	3000
CULLAR (taste-odour-colour)												
UR 60	17	42	27,3	6,5	0,3	DN 80 (3”)	4500	3350	2547	1500	1760	1500
UR 72	25	60	40,9	9,5	0,3	DN 80 (3”)	5550	4600	2570	1800	2100	1800
UR 84	32	80	52,2	12	0,3	DN 100 (4”)	8100	5900	3090	2100	2450	2100
UR 90	36	86	61,8	14,5	0,3	DN 100 (4”)	9800	7600	3100	2300	2630	2300
UR 100	49	117	79,5	18	0,3	DN 100 (4”)	11100	9400	3314	2500	2850	2500
UR 120	70	170	114	26	0,3	DN 150 (6”)	29000	15250	3600	3000	3490	3000
SUPER IRON (Iron, Manganese)												
UFP 60	14	28	52,2	16	0,5	DN 80 (3”)	5700	4300	2547	1500	1760	1500
UFP 72	20	40	68	24,5	0,5	DN 100 (4”)	7000	5900	2570	1800	2150	1800
UFP 84	25	52	95,5	33	0,5	DN 100 (4”)	11700	8700	3090	2100	2450	2100
UFP 90	29	58	114	39,5	0,5	DN 100 (4”)	14000	10560	3100	2300	2630	2300
UFP 100	39	79	143	46	0,5	DN 150 (6”)	17900	13200	2970	2500	2950	2500
UFPe 100	39	79	143	46	0,5	DN 100 (4”)	17900	13200	2970	2500	2850	2500
UFP 120	56	112	200	53,5	0,5	DN 150 (6”)	34600	20500	3600	3000	3490	3000

- Power supply: 110-230-24V~/50-60Hz.

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