

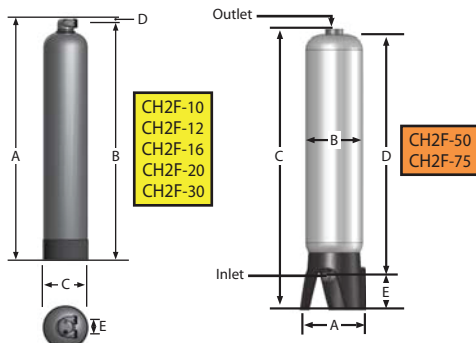
Commercial Water Heater Accessories Specification Sheet Commercial H2Flow Anti-Scale System

- Designed for all water heater types and models regardless of manufacturer
- Prevents scale formation to improve efficiency and prolongs the life of your water heater
- Uses no salt or chemicals and provides a more environmentally friendly alternative to water softeners
- Low Maintenance - replace the H2Flow cartridge once every three years*
- High-capacity units are also available for service flow rates up to 450 GPM when manifolded



Commercial H2Flow (#CH2F)

Dimensions



Dimensions

Model	Dimensions									
	A		B		C		D		E	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
CH2F-10	48½	1232	46	1168	7	178	2½	64	3	76
CH2F-12	48½	1232	46	1168	8	203	2½	64	3	76
CH2F-16	52½	1334	48	1219	9	229	2½	64	3	76
CH2F-20	59½	1511	57	1448	10	254	2½	64	3	76
CH2F-30	56½	1435	54	1372	12	305	2½	64	3	76
CH2F-50	17	432	14	356	79	2006	65	1651	10¼	260
CH2F-75	17	432	16	406	79	2006	65	1651	10½	267

The overall height and the height of the inlet fitting varies due to material variations and assembly tolerances. Please allow additional clearance above the tank for making connections.

Specifications

Max. Operating Temperature: 110°F/43°C
Max. Operating Pressure: 100 psi/6.9 bar
Inlet/Outlet Connections: See Chart on Following Page for Available Connection Sizes
Service Flow Rate: 0.5 to 450 GPM

Water Chemistry and Limitations

PH	6.5 to 8.5
Hardness (maximum)	75 grains (1300 ppm CaCO ₃)
Temperature	40°F to 110°F (5° to 43°C)
Chlorine	< 3 ppm
Iron (maximum)	0.3 mg/l
Manganese (maximum)	0.05 mg/l
Copper (maximum)	1.3 mg/l
Oil & H ₂ S	none allowed
Polyphosphate	none allowed
Silica (maximum)	10 ppm

*The effectiveness of the H2Flow cartridge will depend on the chemistry of the cold water supply. Refer to the Water Chemistry & Limitations chart located above. Replacing the CH2FC cartridge at least once every **THREE** years is recommended.

Flow Rate Capacity - Weights

	CH2F-10		CH2F-12		CH2F-16		CH2F-20		CH2F-30		CH2F-50		CH2F-75	
*Maximum Flow	10 gpm	37.8 lpm	12 gpm	45.4 lpm	16 gpm	60.6 lpm	20 gpm	75.7 lpm	30 gpm	113.6 lpm	50 gpm	189.3 lpm	75 gpm	283.9 lpm
Dry Weight	22 lbs.	10.0 kgs.	25 lbs.	11.3 kgs.	29 lbs.	13.2 kgs.	35 lbs.	15.9 kgs.	43 lbs.	19.5 kgs.	54 lbs.	24.5 kgs.	88 lbs.	39.9 kgs.
Service Weight	80 lbs.	36.3 kgs.	97 lbs.	44.0 kgs.	129 lbs.	58.5 kgs.	168 lbs.	76.2 kgs.	235 lbs.	106.6 kgs.	350 lbs.	158.8 kgs.	420 lbs.	190.6 kgs.

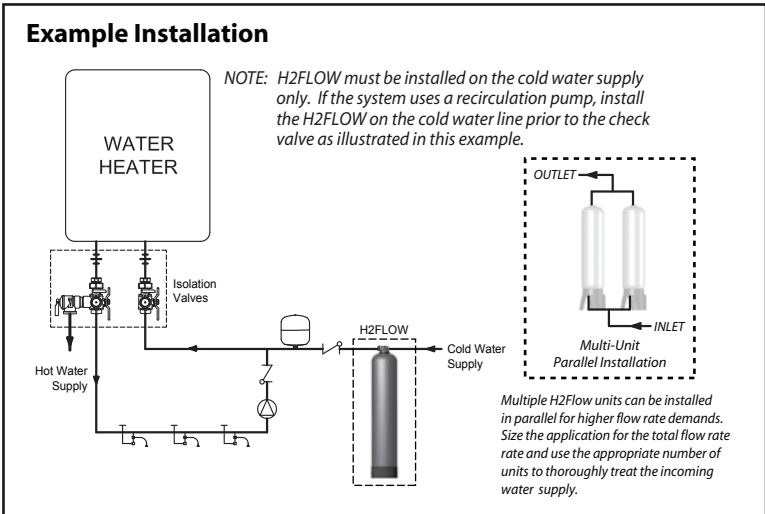
*Exceeding maximum flow can reduce effectiveness and void warranty.

- Pressure drop at peak flow rate is less than 10 psi.
- Pressure drop reading taken with inlet and outlet gauges installed at a common elevation and 80 degree feed water.

Commercial Water Heater Accessories

Specification Sheet

Commercial H2Flow Anti-Scale System



Flow Rate Capacity - Multiple Units

Multi-Tank Connection		Maximum Flow Rate*	
Qty	Models	GPM	LPM
1	CH2F-50	50	189.3
1	CH2F-75	75	283.9
2	CH2F-50	100	378.5
2	CH2F-75	150	567.8
3	CH2F-75	225	851.7
5	CH2F-50	250	946.4
4	CH2F-75	300	1135.6
5	CH2F-75	375	1419.5
6	CH2F-75	450	1703.4

NOTE: Exceeding maximum flow can reduce effectiveness and void warranty.

- Accessories**
- 2-Way Bypass Valve (#H2F-V3006)
 - Vertical Bypass Elbow Assembly (#H2F-V3191-01)
 - 1" 90° Male NPT Elbow Fitting (#H2F-V3007)
 - 1" Brass Sweat Fitting (#H2F-V3007-02)
 - 3/4" Brass Sweat Fitting (#H2F-V3007-03)
 - 1" Plastic Male NPT Fitting (#H2F-V3007-04)
 - 1-1/4" Plastic Male NPT Fitting (#H2F-V3007-05)
 - Polished Stainless Steel Jacket for 8" Tank (#H2F-OFSSS8)
 - Polished Stainless Steel Jacket for 9" Tank (#H2F-OFSSS9)
 - Polished Stainless Steel Jacket for 10" Tank (#H2F-OFSSS10)
 - Polished Stainless Steel Jacket for 12" Tank (#H2F-OFSSS12)
- Typical Connection Fittings

H2F-V3006 2-Way Bypass Valve H2F-V3191-01 Vertical Bypass Elbow Assembly

Optional Connection Fittings

H2F-V3007- Brass Sweat Fitting H2F-V3007 1" PVC Male NPT Elbow Fitting

- Commercial H2Flow Anti-Scale System**
- Commercial H2Flow System - 10 GPM**
- 3/4" Sweat Connection (#CH2F-10A)
 - 1" Sweat Connection (#CH2F-10B)
 - 1" Plastic MPT (#CH2F-10C)
 - 1-1/4" Plastic MPT (#CH2F-10D)
 - 1" Plastic MPT with 90° Elbow (#CH2F-10E)
 - Replacement Cartridge - 10 GPM (#CH2FC-10)
- Commercial H2Flow System - 12 GPM**
- 3/4" Sweat Connection (#CH2F-12A)
 - 1" Sweat Connection (#CH2F-12B)
 - 1" Plastic MPT (#CH2F-12C)
 - 1-1/4" Plastic MPT (#CH2F-12D)
 - 1" Plastic MPT with 90° Elbow (#CH2F-12E)
 - Replacement Cartridge - 12 GPM (#CH2FC-12)
- Commercial H2Flow System - 16 GPM**
- 3/4" Sweat Connection (#CH2F-16A)
 - 1" Sweat Connection (#CH2F-16B)
 - 1" Plastic MPT (#CH2F-16C)
 - 1-1/4" Plastic MPT (#CH2F-16D)
 - 1" Plastic MPT with 90° Elbow (#CH2F-16E)
 - Replacement Cartridge - 16 GPM (#CH2FC-16)
- Commercial H2Flow System - 20 GPM**
- 3/4" Sweat Connection (#CH2F-20A)
 - 1" Sweat Connection (#CH2F-20B)
 - 1" Plastic MPT (#CH2F-20C)
 - 1-1/4" Plastic MPT (#CH2F-20D)
 - 1" Plastic MPT with 90° Elbow (#CH2F-20E)
 - Replacement Cartridge - 20 GPM (#CH2FC-20)
- Commercial H2Flow System - 30 GPM**
- 3/4" Sweat Connection (#CH2F-30A)
 - 1" Sweat Connection (#CH2F-30B)
 - 1" Plastic MPT (#CH2F-30C)
 - 1-1/4" Plastic MPT (#CH2F-30D)
 - 1" Plastic MPT with 90° Elbow (#CH2F-30E)
 - Replacement Cartridge - 30 GPM (#CH2FC-30)
- Commercial H2Flow System - 50 GPM**
- 2" Plastic Socket Connection (#CH2F-50)
 - Replacement Cartridge - 50 GPM (#CH2FC-50)
- Commercial H2Flow System - 75 GPM**
- 2" Plastic Socket Connection (#CH2F-75)
 - Replacement Cartridge - 75 GPM (#CH2FC-75)