

THE **CORE** OF ANY PROFESSIONAL **HYDRONIC** INSTALLATION

HYDRO-CORE

HYDRO-CORE A REVOLUTIONARY APPROACH TO HYDRONIC INSTALLATIONS

Combine a forged brass manifold and components to streamline boiler and secondary loop installations.

- Eliminates costly field fabrication
- Avoids precise calculations
- Simplifies future maintenance
- Minimizes leak paths
- Shaves hours off every installation
- All with EXPERT looking results
- GUARANTEED FOR LIFE

DESIGNED SPECIFICALLY FOR

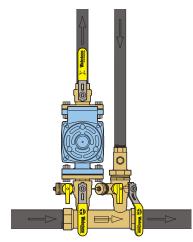
NEAR BOILER LOOPS:

Numerous kits are available to provide solutions for these popular boiler styles.

Floor Standing Side Mount Boilers

Floor Standing Top Mount Boilers

SECONDARY CIRCUIT LOOPS:



The Hydro-Core Manifold can be used anywhere a secondary circuit loop is required in a hydronic system.

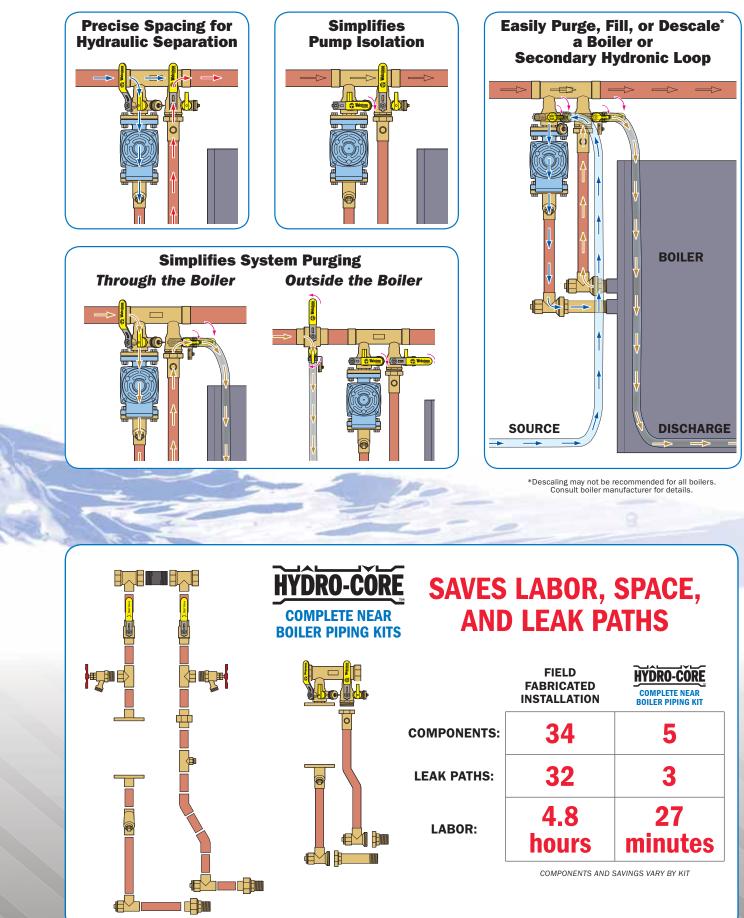
Wall Hung Boilers





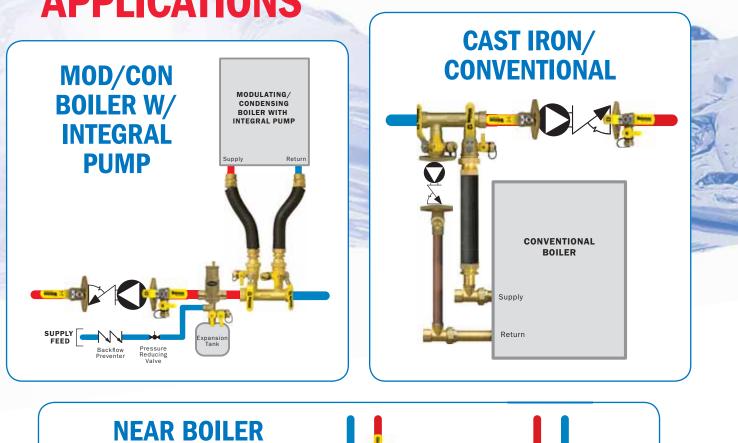


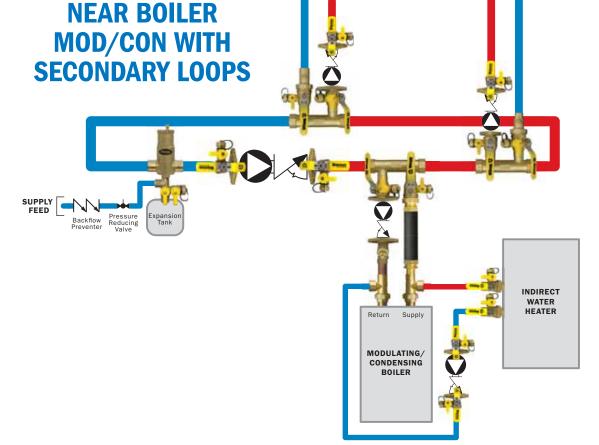
ADVANTAGES



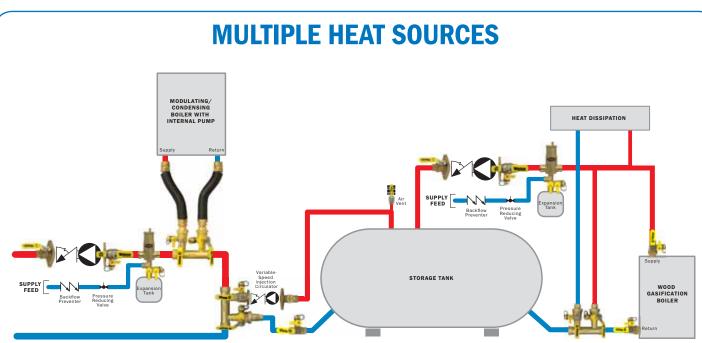


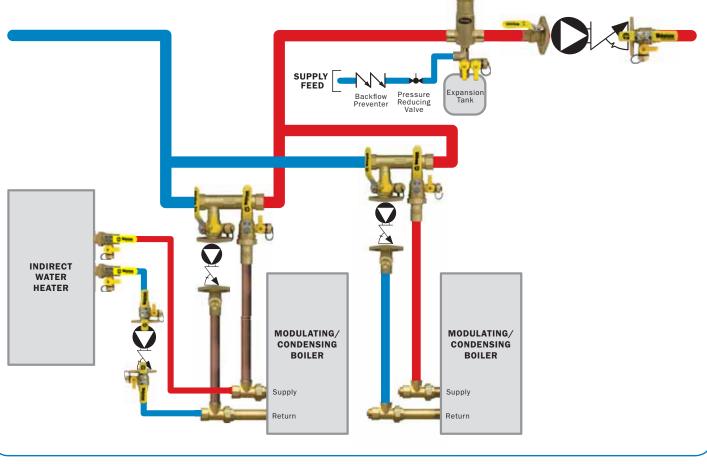
The Webstone Hydro-Core[™] system streamlines the installation, performance and maintenance of a variety of boiler systems. *Hydro-Core is the core of any professional hydronic installation.*



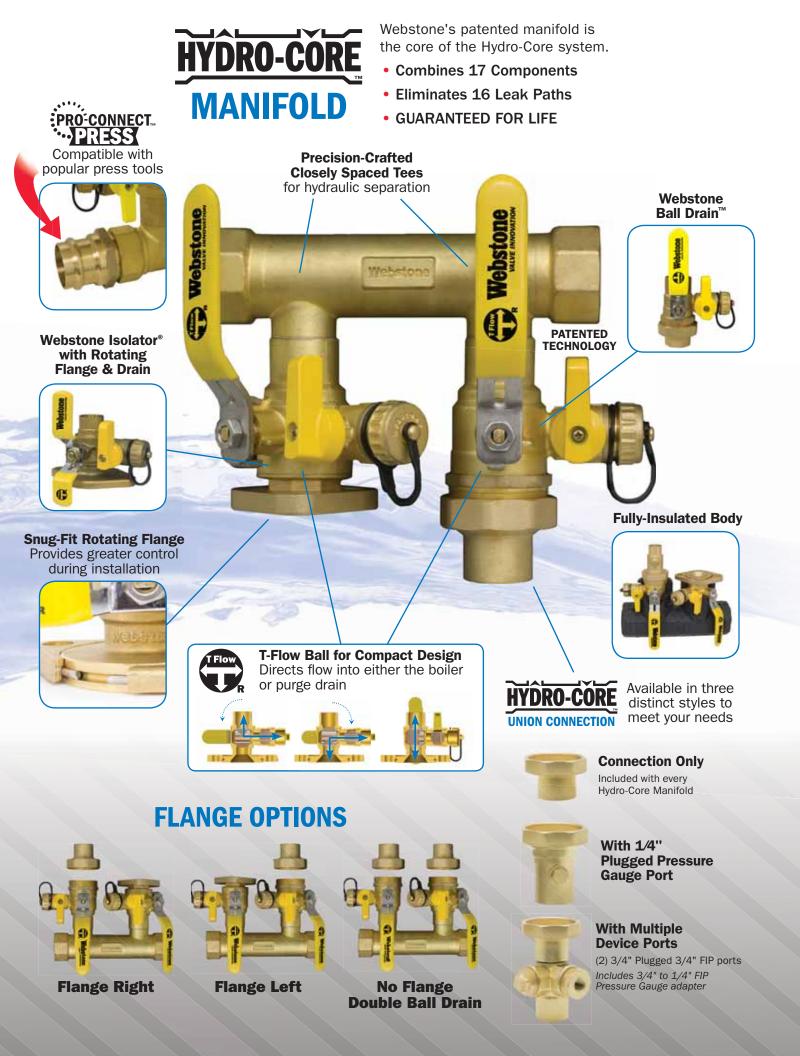








TWO BOILERS IN PARALLEL



NEAR BOILER PIPING INNOVATIONS

HYDRO-CORE COMPLETE NEAR BOILER PIPING KITS

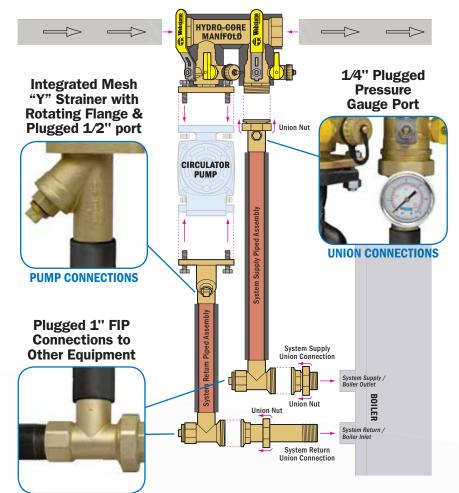
A fully-fabricated solution, kits include everything necessary for a successful installation; leaving the installer to provide only the pump. Available for a wide array of boilers. *Features vary by kit.*

- Your choice of Press, FIP or SWT Manifold
- Press connections compatible with popular press tools
- Fully fabricated & insulated supply & return lines assembled with copper or HYDRO-CORE tubing
- Outfitted with connections for your specific boiler
- integrated mesh "Y" strainer with rotating flange & plugged 1/2" port in strainer cap for installation of drain valve
- Plugged 1/4" pressure gauge port on select kit models
- Plugged FIP ports for connection to other equipment. i.e. indirect water heater, heat exchanger, pressure relief valve, etc.
- Accommodates common circulator pumps (measuring 6½" in length)



- Included in select Complete Near Boiler Piping Kits
- Assembled with flexible stainless steel tubing
- Tubing may be cut for installations in close quarters

	3/4"	1"	1 1/4"
Inner Diameter	0.83"	1.03"	1.26
Operating Temperature	212°	212°	212°
Max Cold Working Pressure	176 PSI	147 PSI	110 PSI



BOILER CONNECTIONS

Flex Pipe Conforms to NSF/ANSI 61, ASTM A 312/312M,

IAMPO IGC-233

PATENTS PENDING



• 2" Dial, 30 PSI

 ITEM #
 CTN/CASE

 31000
 1/100

HYDRO-CORE
COMPLETE NEAR
BOILER PIPING KITSINSTALLATION SOLUTIONS FOR
FLOOR STANDING / SIDE MOUNT BOILERS

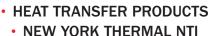
COMPATIBLE WITH SELECT BOILERS FROM:*

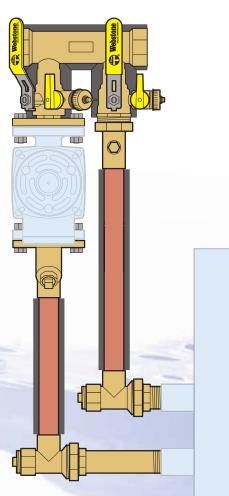
COMPATIBLE WITH SELECT BOILERS FROM:*

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- BURNHAM
- LOCHINVAR









FEATURES:

- Choice of Press, FIP or SWT Hydro-Core Manifold
- Insulated supply & return lines assembled from one-piece, type-L copper tubing
- Integrated connections for your specific boiler
- Integrated mesh "Y" strainer with rotating flange
- Plugged 1/2" strainer cap port
- Plugged FIP ports

FEATURES:

- Choice of Press, FIP or SWT Hydro-Core Manifold
- Insulated return line assembled from one-piece, 9 3/4" length type-L copper tubing
- Insulated supply line assembled with 24" length Hydro-Core Flex tubing
- Integrated connections for your specific boiler
- Integrated mesh "Y" strainer with rotating flange
- Plugged 1/2" strainer cap port
- Plugged FIP ports

Shown Above: 4CF4-FS184	(includes Flange H	Right Manifold)

Press System	IPS System	SWT System	
Piping Connection	Piping Connection	Piping Connection	
8CF4-FS184	4CF4-FS184	5CF4-FS184	
8CF5-FS185	4CF5-FS185	5CF5-FS185	

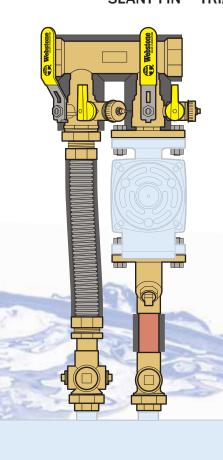
Shown Above: 4CC4-080 (includes Flange Right Manifold)		
Press System Piping Connection	IPS System Piping Connection	SWT System Piping Connection
8CC4-080	4CC4-080	5CC4-080
 8CC4-105	4CC4-105	5CC4-105
8CC4-150	4CC4-150	5CC4-150
 8CC4-210	4CC4-210	5CC4-210



INSTALLATION SOLUTIONS FOR FLOOR STANDING / TOP MOUNT BOILERS

COMPATIBLE WITH SELECT BOILERS FROM:*

BRADFORD WHITE • LAARS • PEERLESS • RAYPAK
 SLANT FIN • TRIANGLE TUBE • WEIL-MCLAIN



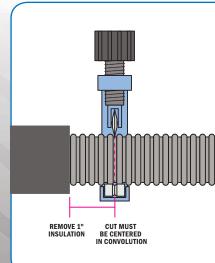
FEATURES:

- · Choice of Press, FIP or SWT Hydro-Core Manifold
- Insulated return line assembled from onepiece, 4 1/2" length type-L copper tubing
- Insulated supply line assembled with 24" length Hydro-Core Flex tubing
- Integrated connections for your specific boiler
- Integrated mesh "Y" strainer with rotating flange
- Plugged 1/2" strainer cap port
- Plugged FIP ports

Shown Left: 4CF4L-FT144 (includes Flange Left Manifold)

Pi	Press System	IPS System	SWT System
	ping Connection	Piping Connection	Piping Connection
	8CF4L-FT144	4CF4L-FT144	5CF4L-FT144
	8CF4R-FT144	4CF4R-FT144	5CF4R-FT144
	8CF5-FT245	4CF5-FT245	5CF5-FT245
	8CF5-FT2R45	4CF5-FT2R45	5CF5-FT2R45

BOILER



HYDRO-CORE TO CUT TUBING (IF DESIRED)

The amount of Hydro-Core Flex Piping provided is suitable for wide range of boilers. However, tubing may be cut to suit the needs of your specific installation if so desired. Retaining excess length will not effect the performance of the system.

To Cut Hydro-Core Flex Tubing:

- 1. Remove end connections.
- 2. Measure the desired pipe length and mark this point on the insulation.
- 3. Remove the insulation beyond this mark DO NOT CUT THE TUBING.
- 4. Measure one inch of exposed pipe above the insulation. This is the cut point.
- 5. Using a metal tube cutter, cut the tube at the cut point. Cut MUST be centered in a valley between corrugations.
- 6. Insert tube into the fitting, then tighten end connections.

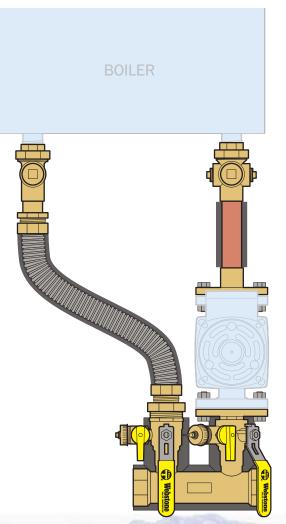
For full assembly instructions see www.webstonvalves.com/instructions/

SEE WWW.WEBSTONEVALVES.COM/HYDROCORE FOR A FULL BOILER COMPATIBILITY CHART

HYDRO-CORE INSTALLATION SOLUTIONS FOR WALL HUNG BOILERS COMPLETE NEAR **BOILER PIPING KITS**

COMPATIBLE WITH SELECT BOILERS FROM:*

 BAXI
 DUNKIRK
 HEAT TRANSFER PRODUCTS LOCHINVAR • NAVIEN • NEW YORK THERMAL NTI NORITZ • SLANT FIN • TRIANGLE TUBE UTICA • VIESSMANN



FEATURES:

- Choice of Press, FIP or SWT Hydro-Core Manifold
- Insulated return line assembled from one-piece, $4 \frac{1}{2}$ " length type-L copper tubing
- Insulated supply line assembled with 24" length Hydro-Core Flex tubing
- Integrated connections for your specific boiler
- Plugged FIP ports

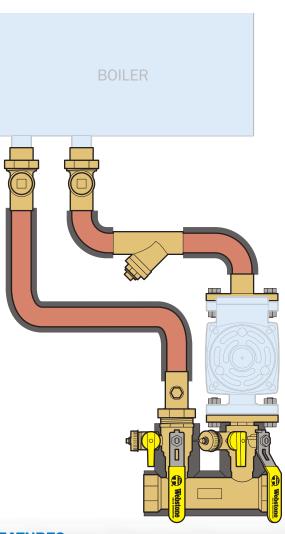
8CF5R-WH245

Shown Above: 4CF4-WH1R44 (includes Flange Right Manifold)		
IPS System Piping Connection	SWT System Piping Connection	
4CF4-WH154	5CF4-WH154	
4CF4-WH1R44	5CF4-WH1R44	
4CF4-WH1R54	5CF4-WH1R54	
4CF4L-WH144	5CF4L-WH144	
4CF4L-WHNHB [†]	5CF4L-WHNHB [†]	
4CF4R-WH144	5CF4R-WH144	
4CF5-WH255 ^{††}	5CF5-WH255 ^{+†}	
4CF5L-WH245	5CF5L-WH245	
	IPS System Piping Connection 4CF4-WH1554 4CF4-WH1754 4CF4-WH1754 4CF4-WH1754 4CF4-WH1754 4CF4L-WH1754 4CF4L-WH1854 4CF4L-WH184 4CF4L-WH1854 4CF4L-WH1854 4CF5-WH124	

4CF5R-WH245

5CF5R-WH245

COMPATIBLE WITH SELECT BOILERS FROM:* LOCHINVAR



FEATURES:

- · Choice of Press, FIP or SWT Hydro-Core Manifold
- Insulated supply & return lines assembled from one-piece, type-L copper tubing
- Integrated connections for your specific boiler
- Integrated mesh "Y" strainer
- Plugged 1/2" strainer cap port
- Plugged FIP ports

Press System	IPS System	SWT System
Piping Connection	Piping Connection	Piping Connection
8CC4-WHN	4CC4-WHN	

SEE WWW.WEBSTONEVALVES.COM/HYDROCORE FOR A FULL BOILER COMPATIBILITY CHART

HYDRO-CORE COMPLETE NEAR BOILER PIPING KITS WALL HUNG BOILERS W/ INTEGRAL PUMP

COMPATIBLE WITH SELECT BOILERS FROM:* COMPATIBLE WITH SELECT BOILERS FROM:* BAXI • BIASI • BOSCH • IBC TECHNOLOGIES BRADFORD WHITE LAARS • PEERLESS • PENSOTTI • RAYPAK TRIANGLE TUBE SIME • SLANT FIN • UTICA **FEATURES:** Choice of Press, FIP or SWT Hydro-Core Double **Ball Drain Manifold** Insulated supply & return lines with 12" or 18" length Hydro-Core Flex tubing FEATURES: Integrated connections • Choice of Press, FIP or for your specific boiler SWT Hydro-Core Double Ball Drain Manifold Shown Left: 4FK3-WIF (includes Double Ball Drain Manifold) SWT System Piping Connection Insulated 18" length supply IPS System Piping Connection Press System Piping Connection & 12" length return lines with Hydro-Core Flex tubing 4FK3-WIF 5FK3-WIF 8FK3-WIF 8FK4-WIF 4FK4-WIF 5FK4-WIF Integrated connections 8FK3-WIS 4FK3-WIS 5FK3-WIS for your specific boiler 8FK3-WIF-18-2 4FK3-WIF-18-2 5FK3-WIF-18-2 Shown Right: 4FK3-WIS-18 (includes Double Ball Drain Manifold) Press System Piping Connection SWT System Piping Connection **IPS System** Piping Connection 8FK4-WIF-18 4FK4-WIF-18 5FK4-WIF-18 8FK3-WIS-18 4FK3-WIS-18 5FK3-WIS-18 **HYDRO-CORE COMBI BOILER SOLUTIONS COMPLETE NEAR BOILER PIPING KITS**

A specialty kit designed to accommodate the installation of select combi boilers. Includes a fully fabricated solution for the near boiler piping, and Webstone Isolator® EXP[™] series valves for the installation and service of the DHW connections.

BOILER

COMPATIBLE WITH SELECT BOILERS FROM:*

NAVIEN

FEATURES:

- Choice of Press, FIP or SWT Hydro-Core Double Ball Drain Manifold
- Insulated supply & return lines assembled from Hydro-Core Flex Tubing
- Integrated connections for your specific boiler
- Plugged FIP ports for connection to other devices
- 1/4" pressure gauge port
- 30 PSI pressure gauge
- 30 PSI pressure relief valve for boiler
- 3/4" IPS Isolator E-X-P E3 service valve kit
- 150 PSI pressure relief valve for DHW

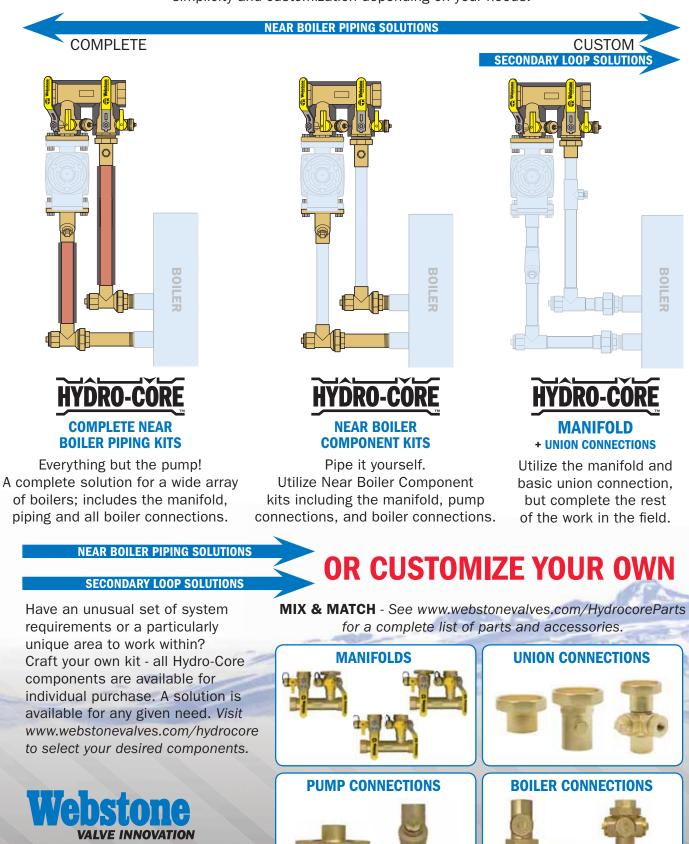
Shown Left: 4FK5	Shown Left: 4FK5-CH (includes Double Ball Drain Manifold)		
Press System	IPS System	SWT System	
Piping Connection	Piping Connection	Piping Connection	

Piping Connection	Piping Connection	Piping Connection
8FK5-CH	4FK5-CH	5FK5-CH

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VERSATILE SOLUTIONS

The Hydro-Core system offers varying degrees of simplicity and customization depending on your needs.



VALVE INNOVATION ONE APPIAN WAY WORCESTER, MA 01610 P.O. BOX 59 WORCESTER, MA 01613 P: (800) 225-9529 · F: (800) 336-5133 www.wobstonewalves.com

www.webstonevalves.com

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