

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

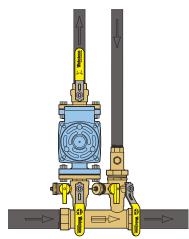
NEAR BOILER LOOPS:

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









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

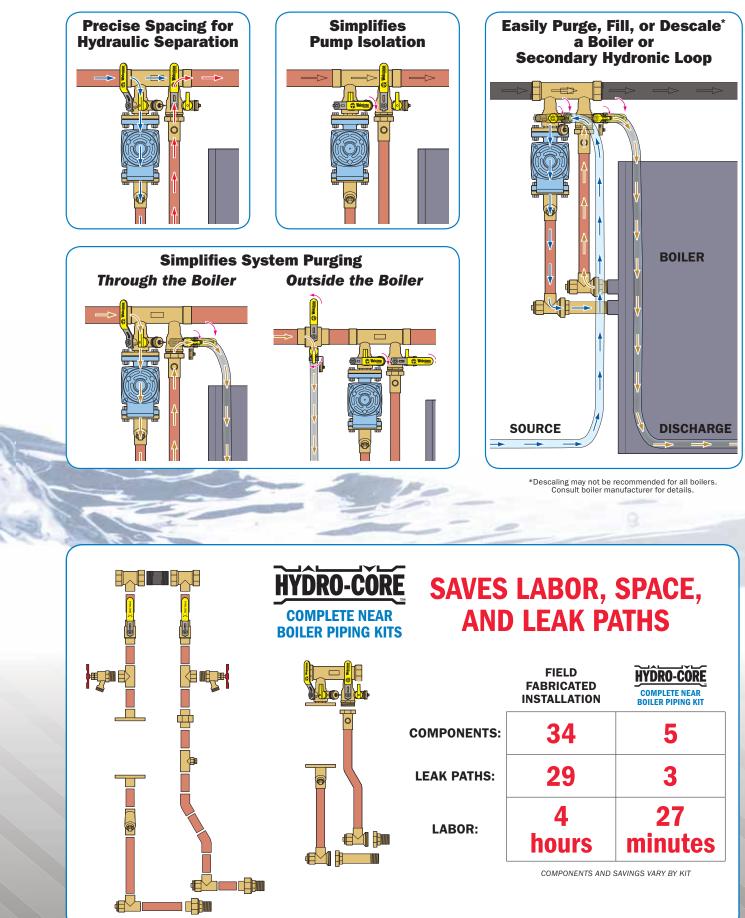
Wall Hung Boilers



Wall Hung Boilers w/ Integral Pump

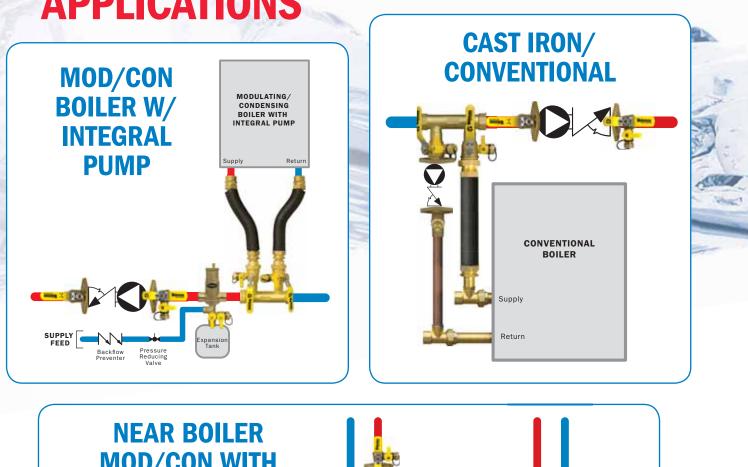


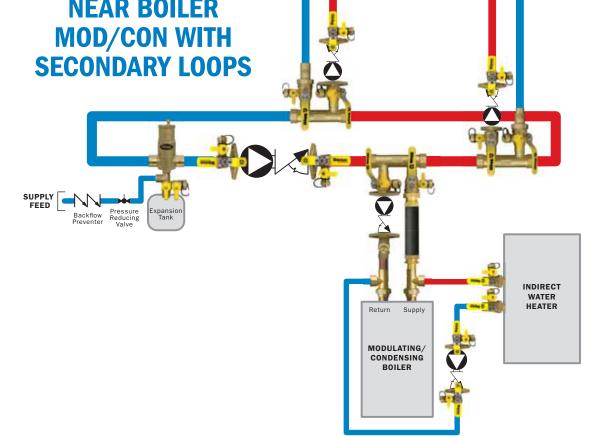
ADVANTAGES

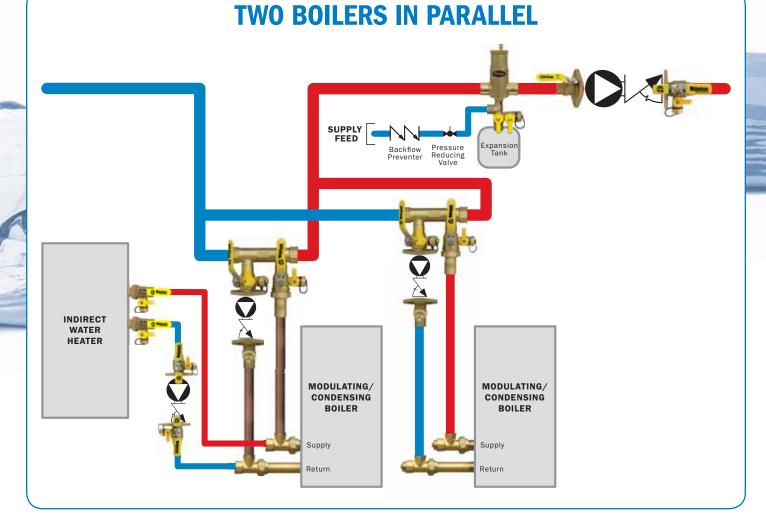


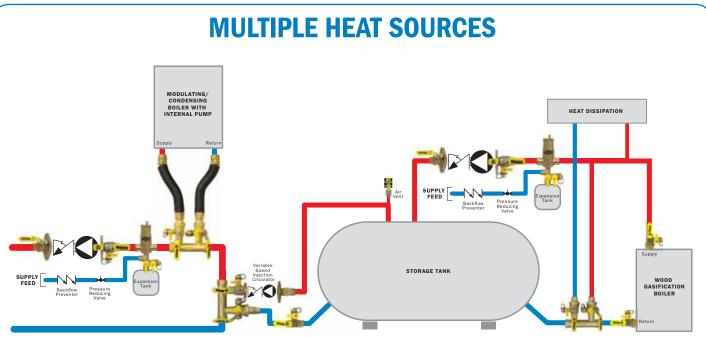


The Webstone Hydro-Core[™] system streamlines the installation, performance and maintenance of a variety of boiler systems. *Hydro-Core is the core of any professional hydronic installation.*

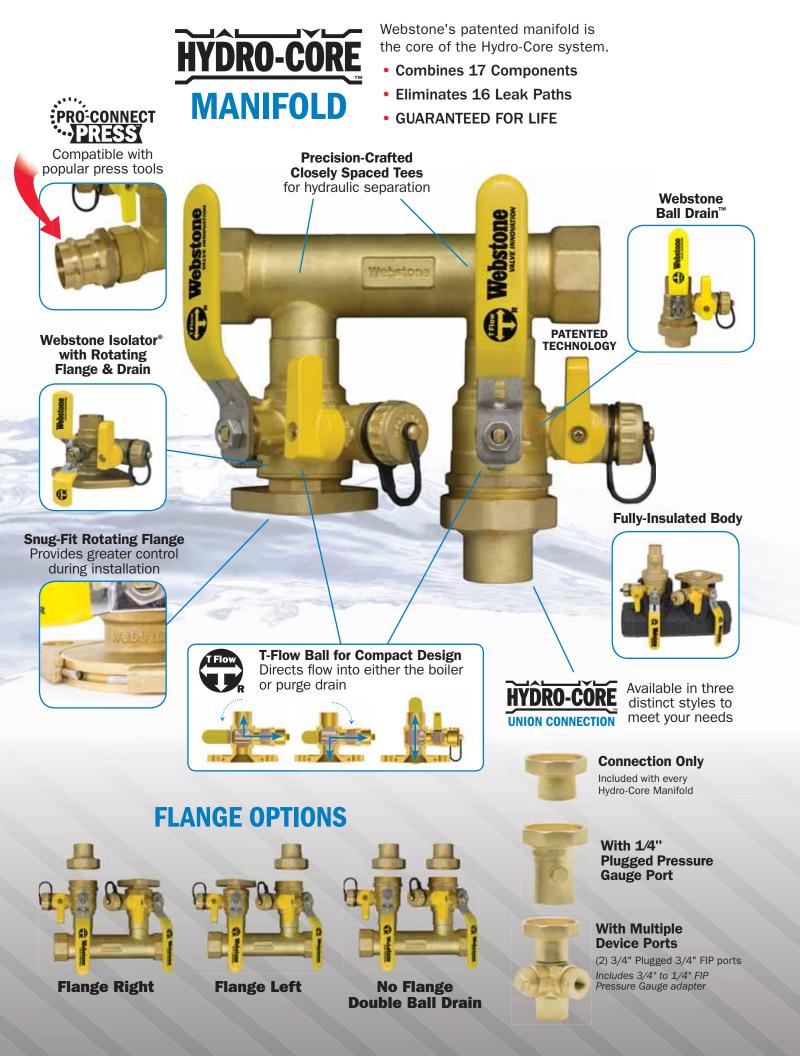








SAVE COMPONENTS, SPACE & LABOR



NEAR BOILER PIPING INNOVATIONS

HYDRO-CORE COMPLETE NEAR **BOILER PIPING KITS**

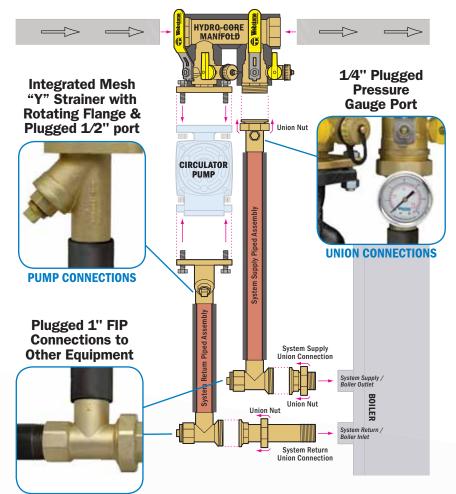
A fully-fabricated solution, kits include everything necessary for a successful installation; leaving the installer to provide only the pump. Available for a wide array of boilers. Features vary by kit.

- 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 6¹/₂" 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

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



BOILER CONNECTIONS

Flex Pipe Conform 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:* • BURNHAM

LOCHINVAR

COMPATIBLE WITH SELECT BOILERS FROM:*

HEAT TRANSFER PRODUCTS
 NEW YORK THERMAL NTI

FEATURES:

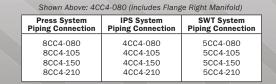
- Choice of Press, FIP or SWT Hydro-Core Manifold
- Insulated supply & return lines assembled from one-piece, type-L copper tubing
- Integrated connections for your specific boiler
- Integrated mesh "Y" strainer with rotating flange
- Plugged 1/2" strainer cap port
- Plugged FIP ports

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 (include	s Flande 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	

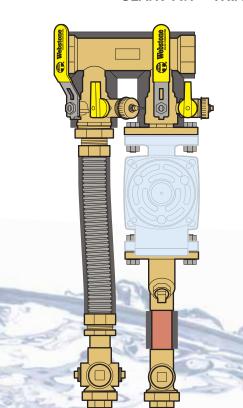




INSTALLATION SOLUTIONS FOR FLOOR STANDING / TOP MOUNT BOILERS

COMPATIBLE WITH SELECT BOILERS FROM:*

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



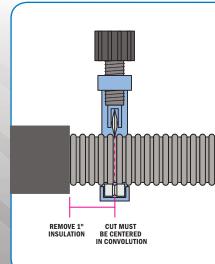
FEATURES:

- · 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)

	Press System	IPS System	SWT System
	Piping Connection	Piping Connection	Piping Connection
1 40 1 1 M	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.

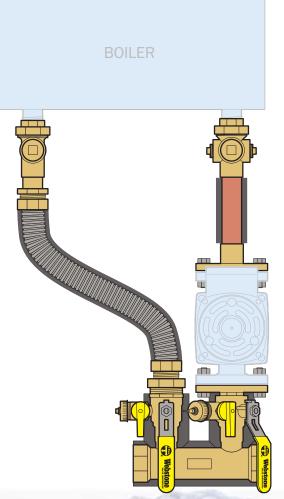
For full assembly instructions see www.webstonvalves.com/instructions/

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

HYDRO-CORE COMPLETE NEAR BOILER PIPING KITS WALL HUNG BOILERS

COMPATIBLE WITH SELECT BOILERS FROM:*

BAXI • DUNKIRK • HEAT TRANSFER PRODUCTS
LOCHINVAR • NAVIEN • NEW YORK THERMAL NTI
• NORITZ • RAYPAK • SLANT FIN • SMITH
• TRIANGLE TUBE • UTICA • VIESSMANN
• WILLIAMSON-THERMOFLO



FEATURES:

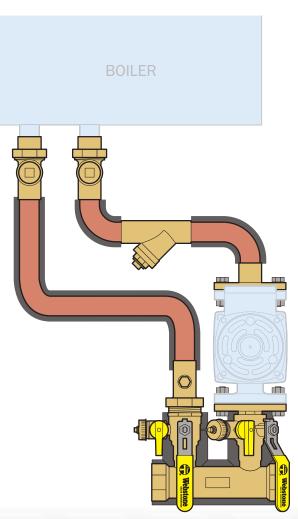
- Choice of Press, FIP or SWT Hydro-Core Manifold
 Insulated return line assembled from
- one-piece, 4 1/2" length type-L copper tubing
- Insulated supply line assembled with 24" length Hydro-Core Flex tubing
- Integrated connections for your specific boiler
- Plugged FIP ports

Shown Above: 4CF4	-WHIR44 (Includes Fla	inge Right Manifold)
Press System	IPS System	SWT System

Press System Piping Connection	Piping Connection	Piping Connection		
8CF4-WH154	4CF4-WH154	5CF4-WH154		
8CF4-WH1R44	4CF4-WH1R44	5CF4-WH1R44		
8CF4-WH1R54	4CF4-WH1R54	5CF4-WH1R54		
8CF4L-WH144	4CF4L-WH144	5CF4L-WH144		
8CF4L-WHNHB [†]	4CF4L-WHNHB [↑]	5CF4L-WHNHB [†]		
8CF4R-WH144	4CF4R-WH144	5CF4R-WH144		
8CF5-WH255 ^{+†}	4CF5-WH255 ^{††}	5CF5-WH255 ^{+†}		
8CF5L-WH245	4CF5L-WH245	5CF5L-WH245		
8CF5R-WH245	4CF5R-WH245	5CF5R-WH245		
+ Supply line assembled with 12" length Hydro Core Elex tubing				

Return line assembled from one-piece, 6 1/2" length type-L copper tubing

COMPATIBLE WITH SELECT BOILERS FROM:* • LOCHINVAR



FEATURES:

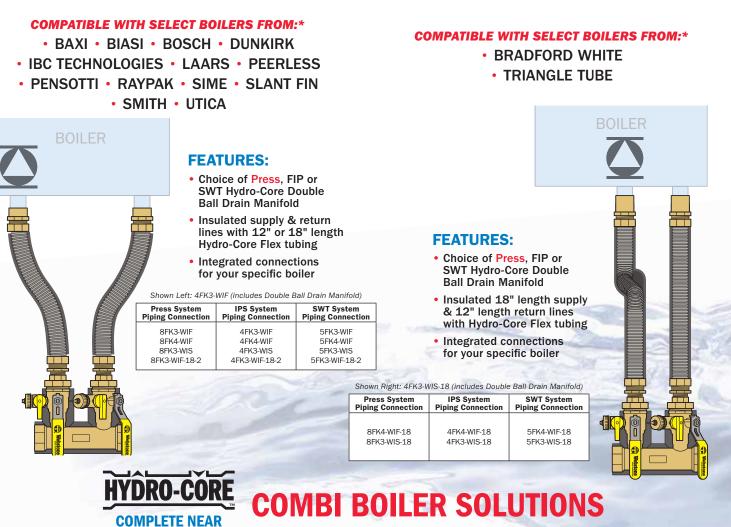
- Choice of Press, FIP or SWT Hydro-Core Manifold
- Insulated supply & return lines assembled from one-piece, type-L copper tubing
- Integrated connections for your specific boiler
- · Integrated mesh "Y" strainer
- Plugged 1/2" strainer cap port
- Plugged FIP ports

Shown Above:	ACCA-WHN	(includes	Flande	Pidht	Manifold)
SHOWIT ADOVC.	4004-000	(includes	riunge	night	Marinola)

Press System Piping Connection	IPS System Piping Connection	SWT System Piping Connection
8CC4-WHN	4CC4-WHN	5CC4-WHN

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



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 PIPING KITS

BOILER

COMPATIBLE WITH SELECT BOILERS FROM:*

- HEAT TRANSFER PRODUCTS LAARS
- NAVIEN WILLIAMSON-THERMOFLO

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" Isolator E-X-P E3 service valve kit (IPS or Press connections)
- 150 PSI pressure relief valve for DHW

Shown L	eft: 4FK5-CH	(includes	Double Ball	Drain Manifold)
		(

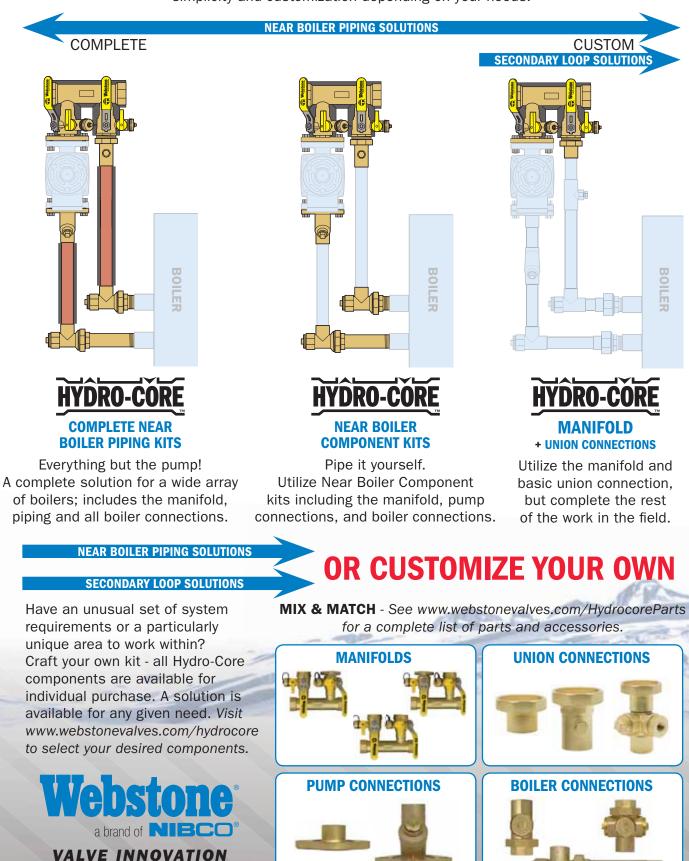
Press System	IPS System	SWT System
Piping Connection	Piping Connection	Piping Connection
8FK5-CH	4FK5-CH	5FK5-CH
8FK4R3-WIF-E3	4FK4R3-WIF-E3	5FK4R3-WIF-E3

uge and boiler pressure relief valve only included with 8FK5-CH, 4FK5-CH and 5FK5-CH kits

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VERSATILE SOLUTIONS

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



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