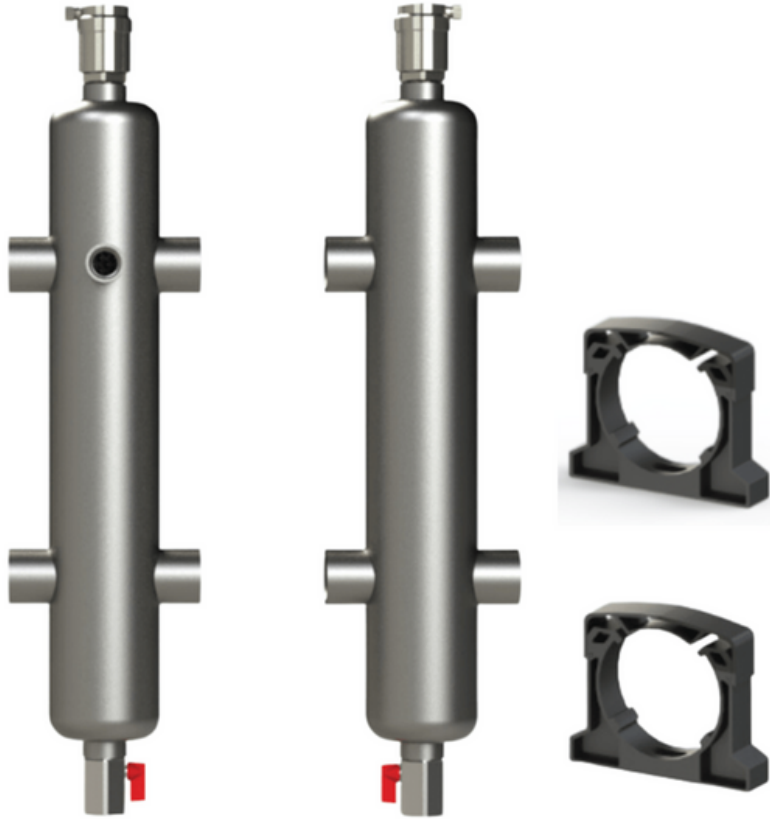


Stainless Steel Hydraulic Separator

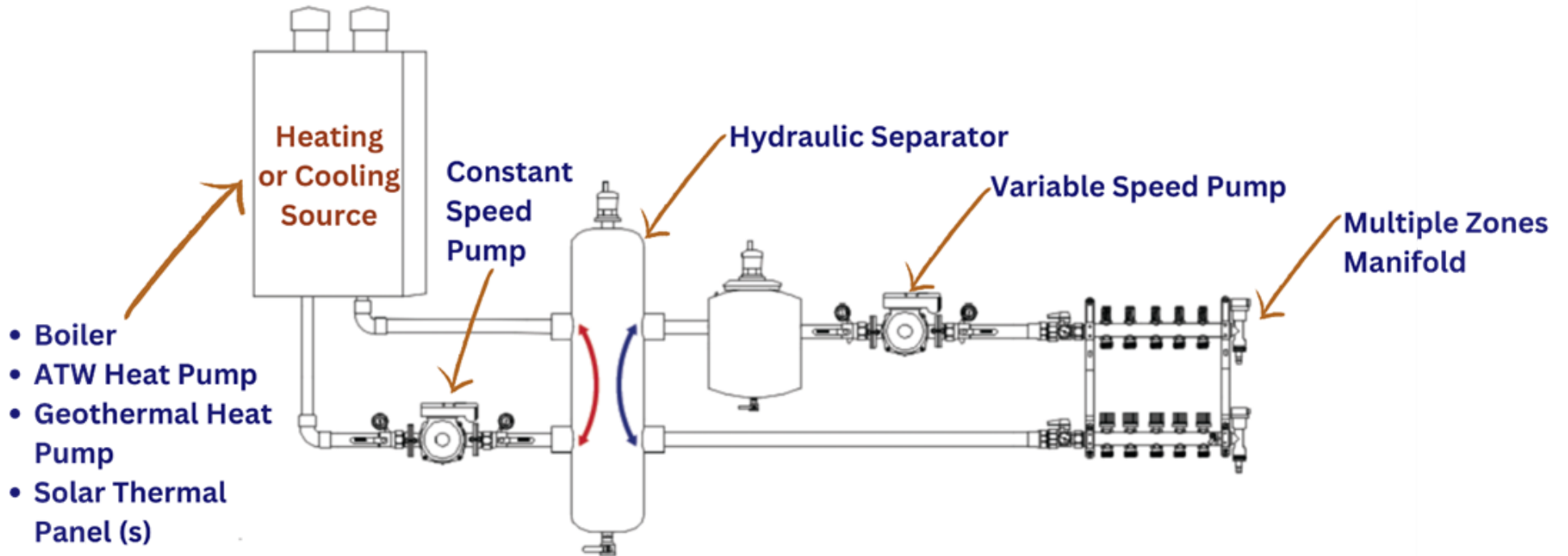
For Boilers, Heat Pumps, Chillers, etc.



What is a Hydraulic Separator?

A Hydraulic separator, or sometimes called "Decoupler" or "Common Pipe" is simply a large diameter pipe with 2 inlets and 2 outlets on each side of the pipe. Friction loss between inlet and outlet on each side of the separator is close to zero.

Hydraulic separator is equipped with Automatic Air Vent, Drain Valve, Thermal Well and a set of mounting accessories.



What is Hydraulic Separator Used for?

Most Heat Producing Equipment such as Boilers, Air to Water Heat Pumps, Chillers, etc... are designed to operate at a constant flow (primary Hydraulic Circuit) while heat consuming equipment water supply network (secondary Hydraulic Circuit) serving Fan Coil Units, Air Handling Units, Infloor Heating Loops, etc. are variable flow networks even when individual components on that network are constant flow. Since the pressure loss through the Hydraulic Separator is almost zero, Pressure/Flow variation of the secondary hydraulic circuit does not affect the pressure/flow of the primary hydraulic circuit. Hydraulic separators are used in applications where primary hydraulic circuits are required to operate at constant flow or have a minimum flow to respect.

Specifications

- Maximum operating pressure 150 psi
- Maximum operating temperature 132°C (270°F)

MODEL	DIMENSION											WEIGHT		FLOW RATE	
	FNPT Connect.	A		B		D		E		I					
	in	in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kg	GPM	m ³ /h
CB100	1	3.1	80	23	585	7.5	192	8.7	220	6.8	172	6.6	2.8	11	2.5
CB125	1¼	3.1	80	25	636	8.3	207	9.5	240	7.4	187	7.5	3.4	18	4
CB150	1½	4.3	110	27	686	8.7	222	10.2	260	8	202	10.3	4.7	26	6
CB200	2	5	127	29	736	8.9	227	11.8	300	8.1	207	12.8	5.8	39	9

Warranty

Hydraulic separator is subject to one year limited residential warranty.

Certain chemicals shall not be used with this hydraulic separator:

- Hydrochloric acid up to 0.1% concentration
- Solutions that contain MCl
- Chlorides (MgCl₂, NaCl between 0.01-1%, CuCl up to 1%, CaCl₂ from 5%to saturation)
- Chlorine or swimming pool salt system
- Any fluid that will deposit alkaline residue or phosphorous

IMPORTANT! ! ! IT IS PURCHASER'S RESPONSIBILITY TO ENSURE THAT ALL FLUIDS IN CONTACT WITH THE PRODUCTS ARE COMPATIBLE WITH THE CONSTRUCTION MATERIAL OF THE PRODUCT. THIS INCLUDES OPERATIONAL FLUIDS AND CLEANING FLUIDS. CORROSIVE ENVIRONMENTS ARE OFTEN A COMBINATION OF CHEMICAL LEVELS, FLOW RATES, AND TEMPERATURES. FAILURE TO ENSURE THIS WILL RESULT IN DAMAGES TO THE PRODUCT. IF ANY OF ABOVE CONDITIONS IS NOT FULLY COMPLIED THE WARRANTY OF THIS UNIT IS VOID.

Technical or commercial considerations may, from time to time to alter the design, performance and dimensions of the equipment and the right is reserved to making such changes without previous notice.