



INDUSTRIES LIMITED

CBF SERIES CHEMICAL BY-PASS FEEDER INSTALLATION, OPERATION AND MAINTENANCE INSTRUCTIONS

Installation method 1

Install the CBF (chemical by-pass feeder) in parallel with the pump with valves (4) and (5) to control the flow through the CBF as shown in figure 1. Check that all connections have been properly tightened to avoid leaks.

Installation method 2

Install the CBF in parallel with the system piping as shown in figure 2. Use shut off valves (4) and (5) to control the flow through the CBF and use shut off valve (6) to force flow through the CBF. Check that all connections have been properly tightened to avoid leaks.

WARNING: The chemical by-pass feeder models CBF-2 and CBF-5 have a pressure rating of 150 psi (1030 kPa) at 200°F (93°C). The high pressure chemical by-pass feeder models CBF-2-HP and CBF-5-HP have a pressure rating of 300 psi (2070 kPa) at 200°F (93°C). Exceeding these ratings or using the chemical by-pass feeder for uses which it was not intended is dangerous and may void the warranty. The manufacturer is not responsible for any damages incurred by the chemical by-pass feeder being used in applications that are outside of these specifications.

WARNING: Not for use with steam or potable water.

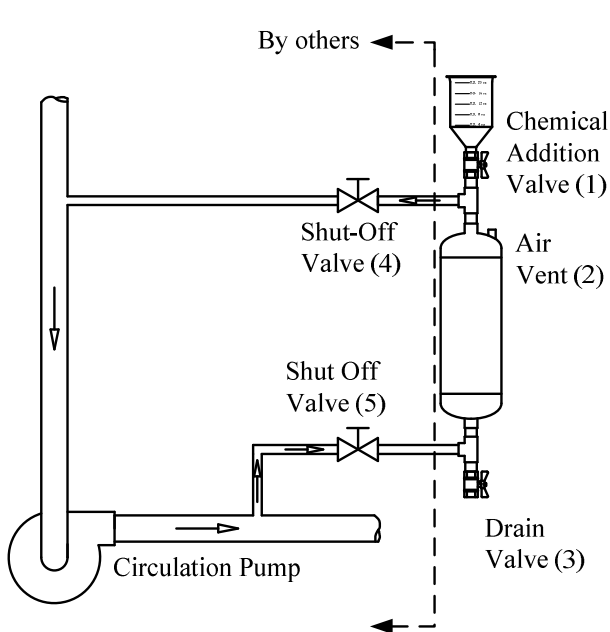


Figure 1: Installation method 1 – CBF installed in parallel with the system pump

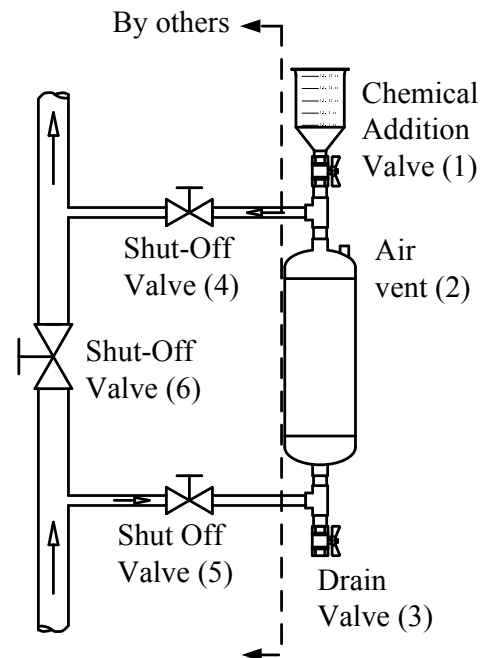


Figure 2: Installation method 2 – CBF installed in parallel with the system piping



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Adding Chemical to the System Using Installation Method 1:

Refer to Figure 1 when using installation method 1.

- Close all valves
- Open drain valve (3) and then air vent (2) to allow the contents of the bypass feeder to empty into a reservoir or drain
- Close drain valve (3) and open chemical addition valve (1)
- Add the desired chemicals into the bypass feeder through the funnel. The funnel can also function as a measuring device by using the graduated gauge located on the side of the funnel
- Close chemical addition valve and crack open valve (5) until the chemical bypass feeder is filled and the air has been removed.
- Close the air vent (2) and open valve (4) to allow flow through the chemical bypass feeder and into the system.

If more chemicals need to be added to the system, repeat the steps shown above. When finished adding chemical to the system open valve (4) and close all the other valves.

Adding Chemical to the System Using Installation Method 2:

Refer to Figure 2 when using installation method 2.

- Close all valves except (6)
- Open drain valve (3) and then air vent (2) to allow the contents of the bypass feeder to empty into a reservoir or drain
- Close drain valve (3) and open chemical addition valve (1)
- Add the desired chemicals into the bypass feeder through the funnel. The funnel can also function as a measuring device by using the graduated gauge located on the side of the funnel
- Close chemical addition valve and crack open valve (5) until the chemical bypass feeder is filled and the air has been removed.
- Close the air vent (2) and open valve (4) to allow flow through the chemical bypass feeder and into the system. Partially close valve (6) to divert flow into the chemical by-pass feeder as needed

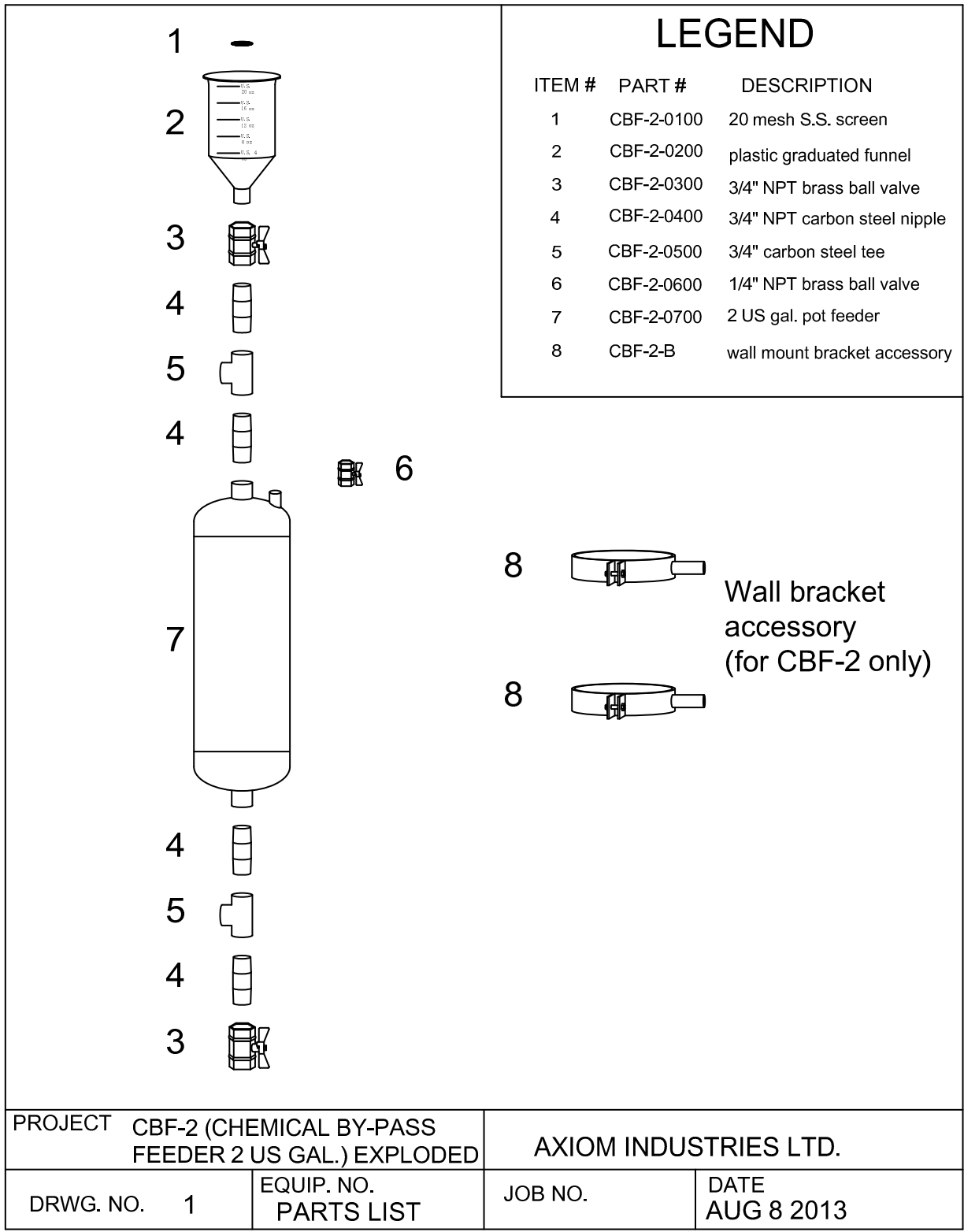
If more chemicals need to be added to the system, repeat the steps shown above. When finished adding chemical to the system open valve (4) and (6). Close all the other valves.

Limited Warranty

The Axiom CBF Chemical By-Pass Feeder is warranted against defects in materials and workmanship for one year.



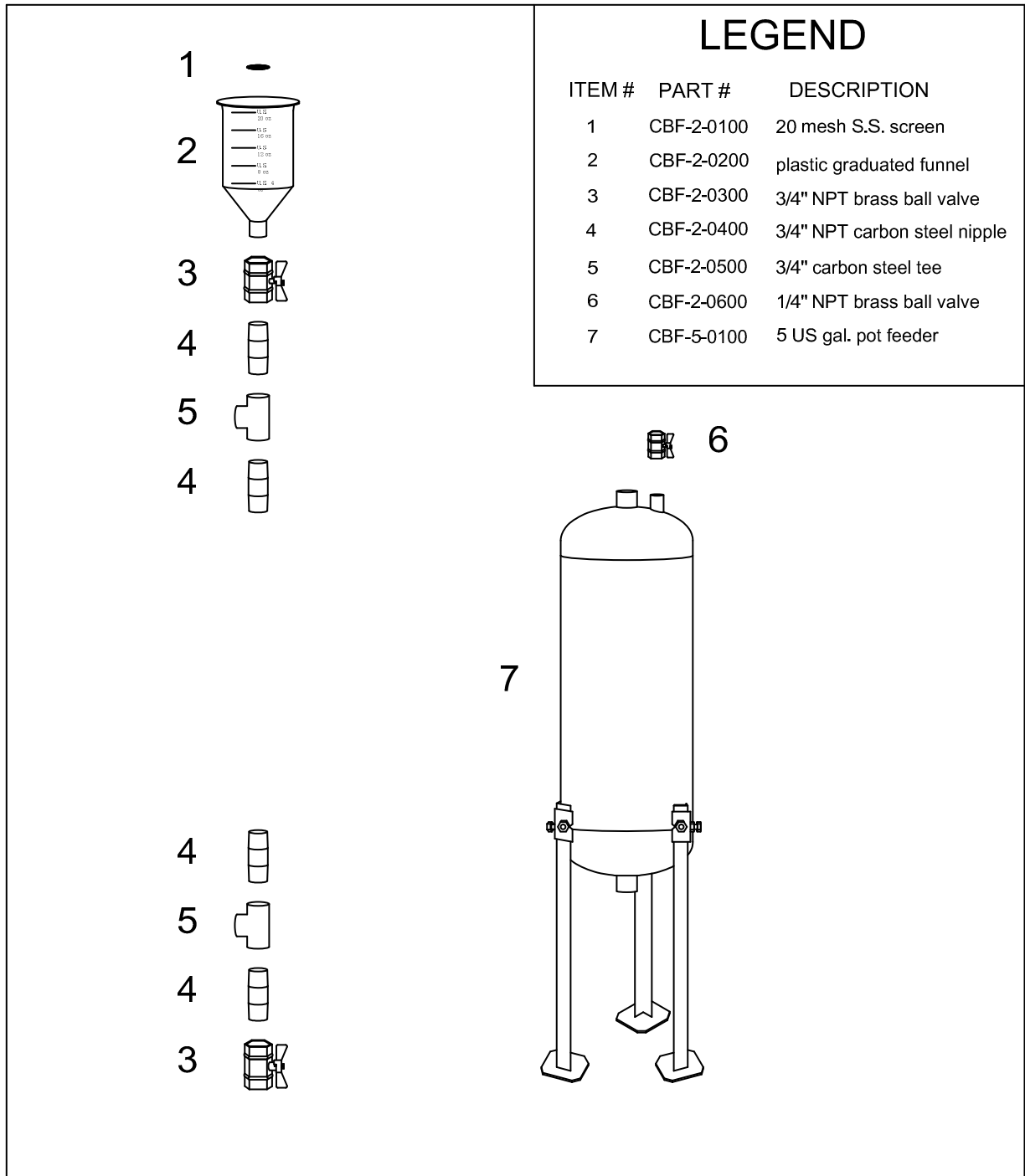
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PROJECT CBF-2 (CHEMICAL BY-PASS FEEDER 2 US GAL.) EXPLODED		AXIOM INDUSTRIES LTD.	
DRWG. NO. 1	EQUIP. NO. PARTS LIST	JOB NO.	DATE AUG 8 2013



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PROJECT CBF-5 (CHEMICAL BY-PASS FEEDER 5 US GAL.) EXPLODED		AXIOM INDUSTRIES LTD.	
DRWG. NO. 1	EQUIP. NO. PARTS LIST	JOB NO.	DATE AUG 20 2013