



Submittal Data

**FLC Series Flushing Assembly, 3" or 4" IPS HDPE DR11 Connections
FLC32S and FLC42S**



Project Name:		Representative:
Contractor:		Engineer:
Ref/P.O.#:		Date:
Submitted by:		Date:
Qty:	Part #:	Description

Technical Data

Application: The FLC Series flushing assembly is a factory-fabricated flushing assembly, designed for connection to geothermal systems with 3" or 4" HDPE pipe, and may be heat-fused directly into the piping system.

Material:* HDPE PE3408/4710 connection to piping system.

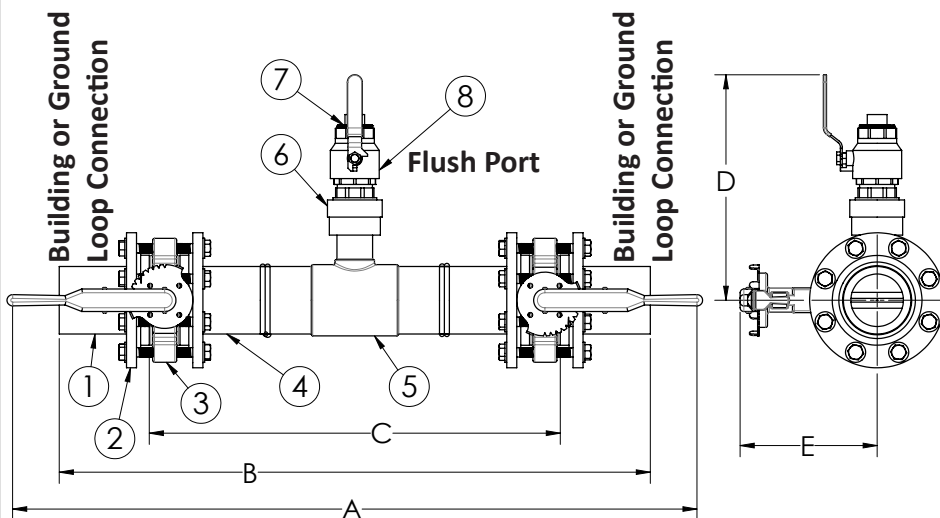
Isolation Valves: Four 3" or 4" ANSI flange butterfly valves, cast iron body, aluminum/bronze disc, NBR seat; two 2" NPT full port brass ball valves with plug.

Connections: Ground loop/building connections are HDPE DR11 pipe x ANSI flange (3" or 4"). Flush port connection is 2" NPT female (plug installed).

*HDPE is high density polyethylene; PE3408/4710 is HDPE type.

Max. Fluid Temperature: 140°F [60°C]
Max. Operating Press.: 200 psi [13.8 bar] @ 73°F [23°C]

Dimensional Data



Call-out	Description
1	Flange adapter to HDPE, DR-11
2	Backup ring
3	Butterfly valve, cast iron body, Alum/brnz disc, NBR seat
4	Flange adapter, IPS, DR-11
5	Reducing Tee, HDPE
6	2"x 2" FPT HDPE Fusion adapter
7	Plug, 2" MPT, square drive, brass
8	2" FPT x 2" MPT full port, brass ball valve

Assembly	Nominal Diameter	Units	Dimensions				
			A	B	C	D	E
FLC32S	3"	In.	43-1/2 ± 1/2	36-5/16 ± 1/2	24-5/16 ± 1/2	14-5/8	8-3/8
		mm	1105 ± 13	922 ± 13	617 ± 13	371	213
FLC42S	4"	In.	46-3/8 ± 1/2	39-5/8 ± 1/2	27-3/8 ± 1/2	15	9-1/8
		mm	1178 ± 13	1006 ± 13	695 ± 13	381	232

NOTES:

- Flushing assembly includes a set. Only one side is shown for dimensional purposes.
- Above drawing is of FLC32S. FLC42S has 4" body/butterfly valves/connections instead of 3", but both assemblies include 2" ball valves for flushing connection.
- Dimensional data provided for informational purposes and is rounded to nearest 1/16".
- Metric data is a simple conversion of imperial data and should not be considered more accurate.



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