

Duraflex Joule Expansion Tank - all sizes

SPEC SHEET

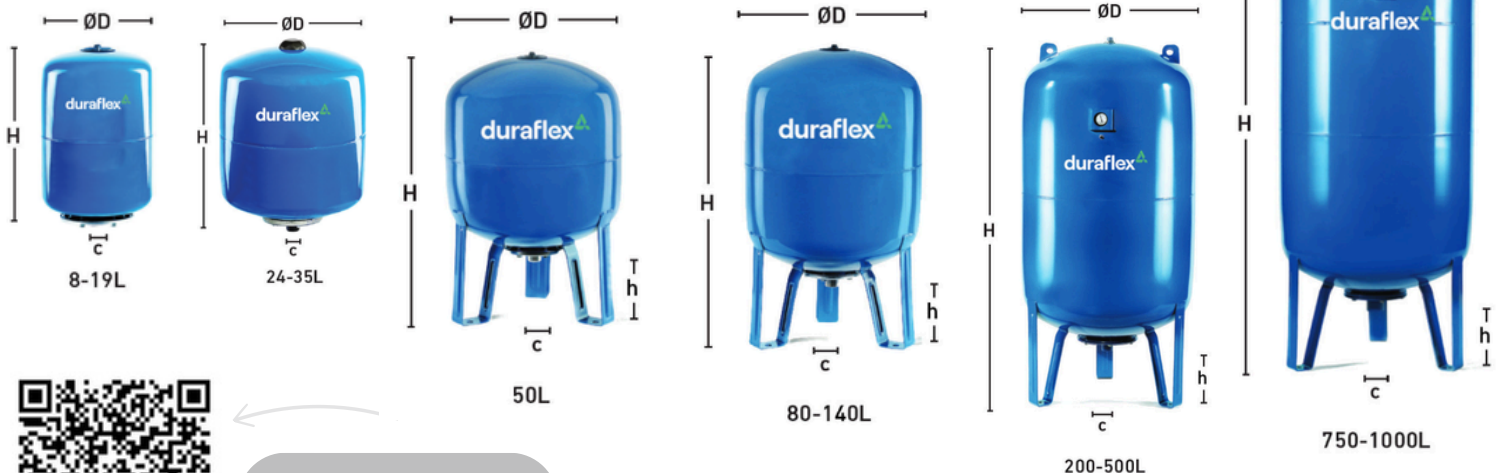
PRODUCT CODE: As below.

KEY FEATURES

- The Duraflex Joule series Expansion Tanks/vessels are designed for heating, chilled and condenser closed circuit applications.
- 10 Bar pressure Rated
- Suitable for water/glycol mixture up to 50%
- Replaceable EPDM Bladder
- Pressure gauge fitted (100L and above)
- Electrostatic powder coat finish
- Factory pre-pressurized gas chamber (nitrogen)
- Max operating temperature -10°C / 70°C
- Wall mount bracket available to be ordered for (8-25L sizes)
- Replaceable high quality Rubber Bladder. Saves having to replace the entire tank.
- Fluid separated from the steel tank wall - no risk of corrosion or system contamination.
- Expansion tanks 200L and larger include a prefitted air pressure gauge



Capacity	Code	Ø D mm	H mm	c mm	h mm	Weight kg	Pre-Charge P. (bar)
8L	DJ008-10	220	296	1" M		2.9	2
12L	DJ012-10	220	410	1" M		3.5	2
19L	DJ019-10	280	434	1" M		4.5	2
24L	DJ024-10	280	484	1" M		4.9	2
35L	DJ035-10	354	465	1" M		6	2
50L	DJ50-10	410	650	1" M	130	9.2	2
80L	DJ80-10	480	791	1" M	170	15	4
100L	DJ100-10	480	899	1" M	170	17	4
140L	DJ140-10	480	1137	1" M	170	24	4
200L	DJ200-10	634	1008	1 1/4" F	150	36	4
300L	DJ300-10	634	1296	1 1/4" F	150	45	4
400L	DJ400-10	740	1427	1 1/4" F	185	65	4
500L	DJ500-10	740	1563	1 1/4" F	185	70	4
750L	DJ750-10	848	1736	2" F	185	122	4
1000L	DJ1000-10	848	2187	2" F	185	156	4



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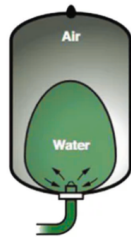
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MORE INFORMATION

Replaceable Bladder Expansion Tanks VS Non Replaceable Diaphragm Tanks

Replaceable Bladder Expansion Tank



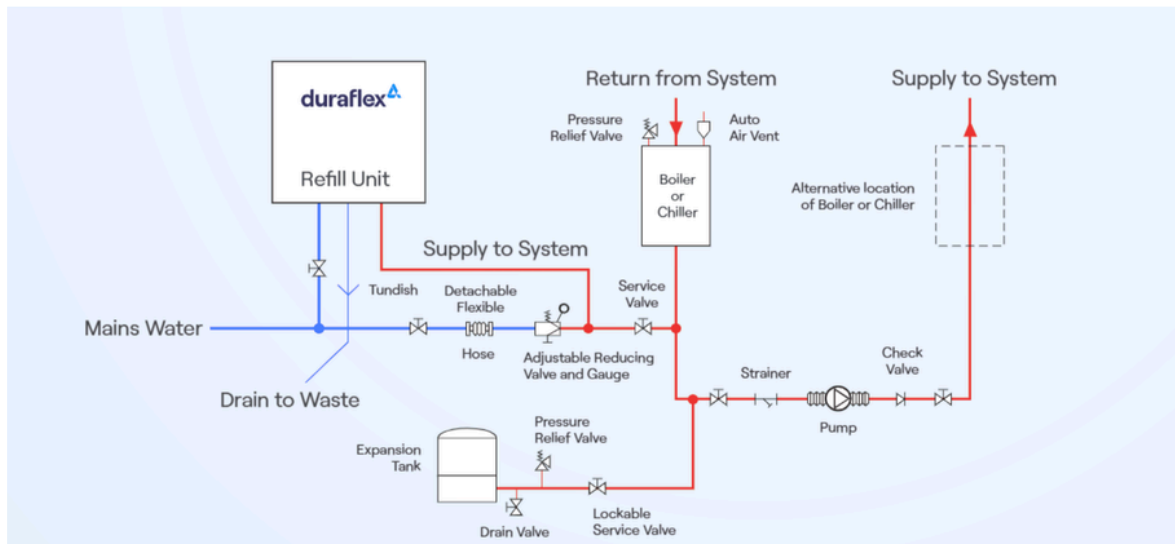
- Replaceable high quality Rubber Bladder. Saves having to replace the entire tank.
- Fluid separated from the steel tank wall - no risk of corrosion or system contamination.

Non Replaceable Diaphragm Tanks



- Cost effective however reduced lifespan
- Risk of corrosion and/or system contamination due to fluid being in contact with the steel tank wall.
- Not serviceable full replacement required in the case of diaphragm failure.

Typical layout for large volume systems



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