

DIN EN 488-2:2025-07 (E)

District heating and district cooling pipes - Bonded pipe systems for directly buried hot and cold water networks - Part 2: Factory made steel service valve assembly for steel service pipes, polyurethane thermal insulation and a casing of polyethylene

Contents		Page
Introduction		4
1	Scope	5
2	Normative references	5
3	Terms and definitions	6
4	Requirements	6
4.1	General	6
4.2	Steel valves	7
4.2.1	Pressure ratings for valves	7
4.2.2	Service temperatures for valves	7
4.3	Metallic parts	7
4.3.1	Specification	7
4.3.2	Steel valve	7
4.3.3	Valve extension pipe	8
4.3.4	Surface conditions	8
4.3.5	Accessory	8
4.3.6	Welding of steel parts	8
4.4	Casing	8
4.4.1	General	8
4.4.2	Welding of polyethylene	8
4.5	Sealing component	8
4.6	Polyurethane (PUR) foam thermal insulation	9
4.7	Steel service valve assembly	9
4.7.1	General	9
4.7.2	End of service valve assembly	9
4.7.3	Metallic parts out of the casing	9
4.7.4	Leak-tightness of the casing	9
4.7.5	Thermal insulation series	10
4.7.6	Main dimensions of the service valve assembly	10
4.8	Expected thermal life and long-term temperature resistance	10
4.9	Thermal conductivity	10
4.10	Surface conditions at delivery	10
4.11	Measuring wires for surveillance systems	10
4.12	Installation, operation, and maintenance	10
4.12.1	Installation	10
4.12.2	Operation	10
4.12.3	Maintenance	10
5	Marking	11
5.1	General	11
5.2	Steel valve	11
5.3	Casing	11
5.4	Steel service valve assembly	11
Annex A (informative)	Inspection and testing	12

Annex B (informative) Waste treatment and recycling	13
Bibliography	14