

DIN EN 14678-2:2012-04 (E)

LPG equipment and accessories - Construction and performance of LPG equipment for automotive filling stations - Part 2: Components other than dispensers and installation requirements (includes Amendment A1:2012)

Contents		Page
Foreword		3
1	Scope	4
2	Normative references	4
3	Terms and definitions	5
4	Requirements	6
4.1	General	6
4.2	Design pressure	7
4.3	Design temperature	7
4.4	Materials	7
4.5	Corrosion protection	7
4.5.1	General	7
4.5.2	Cathodic protection	8
4.6	Storage !!!pressure vessel!!!!	8
4.6.1	Design	8
4.6.2	Installation	9
4.6.3	Equipping	9
4.6.4	!!!!Pressure vessel!!!! protection	9
4.7	Pumping units	9
4.7.1	General	9
4.7.2	Submersible pump	9
4.7.3	External pump	10
4.8	Dispensers	10
4.8.1	General	10
4.8.2	Dispenser protection	10
4.8.3	Pipe and hose break protection	10
4.9	Pipe-work and connections	10
4.9.1	Pipe-work	10
4.9.2	Pipe joints and connections	11
4.9.3	Jointing compounds	11
4.10	Valves and pressure indication	11
4.10.1	Shut-off valves	11
4.10.2	Hydrostatic relief valves	12
4.10.3	Pressure indication	12
4.11	Electrical installation	12
4.11.1	General	12
4.11.2	Emergency Shut Down system (ESD)	12
4.12	Permanent remote assistance	13
5	Signs	13
6	Testing of the installation	13
6.1	Pressure test	13
6.2	Leak test	13
6.3	Test interpretation	14

7	Commissioning of the installation	14
	Annex A (informative) Explanatory drawings	15
	Bibliography	19