

Design of working pressure

ISO 7751:2016

Ratios of proof and burst pressure to design working pressure

No.	Type of service (for guidance only)	Ratio of proof pressure to design working pressure	Ratio of minimum burst pressure to design working pressure
1	Water hose, Working pressure max. 1 Mpa	1,5	3,0
2	Hose for all other liquids, solid materials suspended in liquids or air, and water hose, working pressure over 1 Mpa	2,0	4,0
3	Hose for compressed air and other gases	2,0	4,0
4	Hose for liquid media that change into the gassous state when subjected to a reduction in pressure, i.e. released to atmosphere	2,5	5,0
5	Steam hose	5,0	10,0
6	Jetting hose	1,5	2,5
7	Hoses for the delivery of cement, concrete, plaster and grout	1,5	2,0