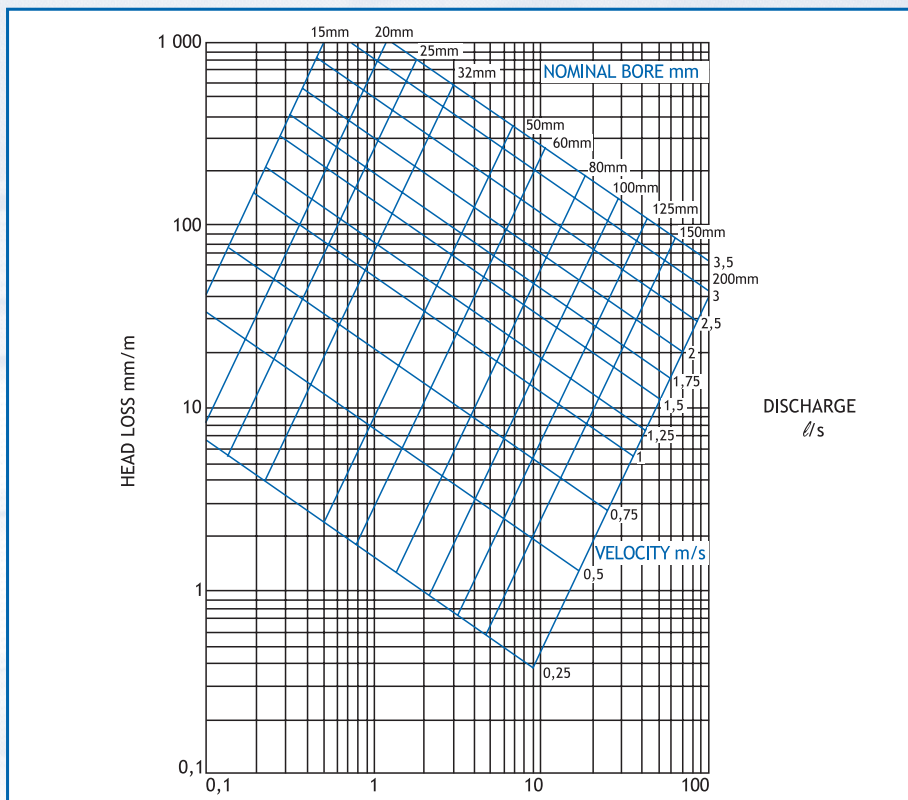


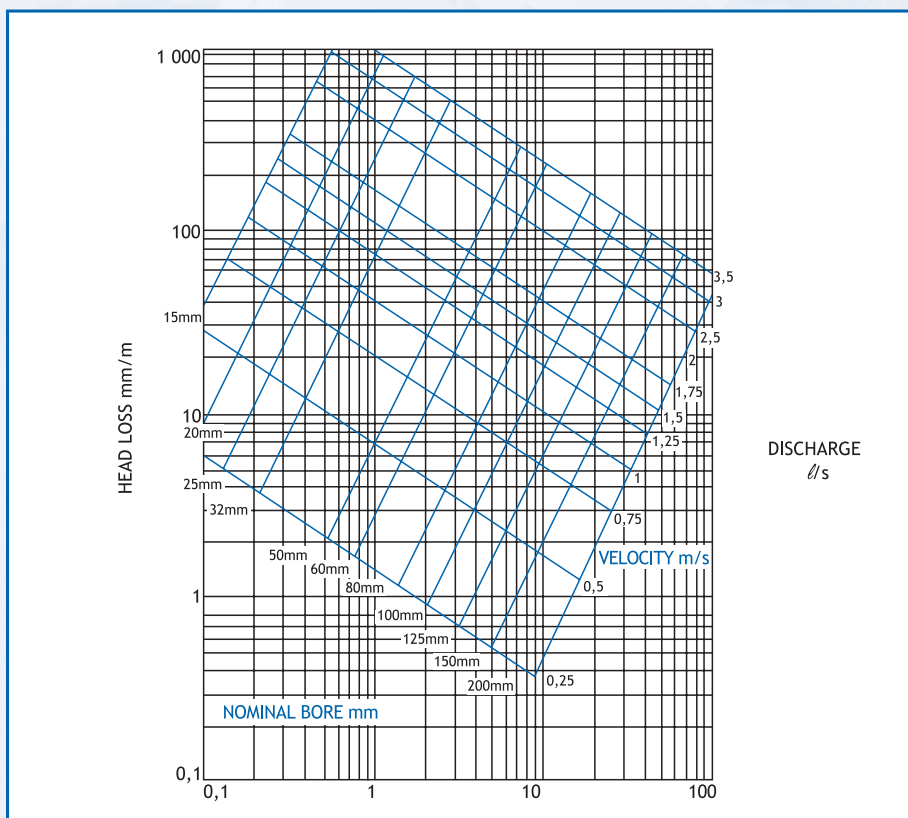


FRICTION LOSS CHARTS

Galvanised pipes



Uncoated pipes



Loss of head - due to fittings or valves

NATURE OF RESISTANCE	EQUIVALENT LENGTH OF STRAIGHT PIPE IN DIA. FACTOR
Bell mouth	12
Foot valve and strainer: heavy pattern	75
Sluice or gate valve	6
Non-return valves: heavy pattern	60
Elbow	75
Bends: med.3 dia. rad.	18
Tees	90
Swept tee (radial junction)	45
Globe valve	90
Square edge entry	30

*Leading stockists
of pipe, fittings and
valves available
through our nationwide
branch network.*

Pipe specifications

ASTM	BS	DIN	SABS
A120	1387	1629 St00	SABS/SANS 62
A53 Gr A	3601/22	1629 M St35.29	-
A53 Gr B	3601/27	1629 M St45.29	SABS 719
A106 Gr A	3602/23	17175 M St35.8	-
A106 Gr B	3602/27	17175 M St45.8	-
A106 Gr C	3602/35	17175 17 Mn4	-
A333 Gr 1	3603/LT50	-	-
A333 Gr 3	3603/503LT100	17175 16 Ni14	-
A335 Gr P1	3604/240	17175 16 Mo5	-
A335 Gr P12	3604/620	17175 13 CrMo44	-
A335 Gr P11	3604/621	17175 33 CrMo44	-
A335 Gr P22	3604/622	17175 10 CrMo910	-
A335 Gr P5	3604/625	17175 12 CrMo195	-
A335 Gr P7	3604/627	17175 x 12 CrMo7	-
A335 Gr P9	3604/629	17175 x 12 CrMo91	-
A234/420	BS1640	-	-