

MARLEY
Super Blue



The Marley Super Blue system is designed to fit existing cast iron or AC installations. No complicated adaptors are needed with Super Blue.

Made from polyvinyl chloride (uPVC) this heavy duty thickwall pipe is designed to be maintenance free.

Designed to conform to Standard AS2977:1988. Super Blue is available for pressure applications up to 1.8 MPa with well known Metro Rubber Seal jointing. For repairs to broken cast iron or AC pipeline systems.

Plain ended pipe is available to order only.



AC/CI COMPATIBLE uPVC PRESSURE PIPE FOR WATER SUPPLY SYSTEMS

PRODUCT SPECIFICATION	100mm Class F	150mm Class D
Outside Diameter (mm)	121.7 - 122.1	177.1 - 177.5
OD including ovality	121.3 - 122.5	176.5 - 178.1
Overall length (m)	6	6
Min. wall thickness (mm)	10.0	9.2
Max. wall thickness (mm)	11.2	10.3
Weight per metre (kg)	5.5	7.5
dimension ratio (DR) (note DR = $\frac{OD}{T \text{ min}}$)	12	19
Max Static Working Pressure at 20°C (MPa)	1.8	1.2
minimum circumferential - 1 hour (MPa)	39.6	39.6
stress - 50 years (MPa)	23.6	23.6

Available in crate quantities as listed or as single units.

100mm 32 lengths per crate.

150mm 18 lengths per crate.

INSTALLATION

For installation and design considerations refer to Marley Water Supply Design and Installation Manuals.

Refer to diagram below for correct positioning of rubber ring seal.



NOMINAL DIAMETER	OD	ID	A	B	C	R MAX.	R ₁	R ₂
100	145.0±0.2	123.0±0.5	26	46	141	31	6.5	13
150	204.3±0.2	178.6±0.5	34	54	160	40	7.5	17

EFFECTING REPAIRS TO EXISTING AC/CI LINES

JOINTING INSTRUCTIONS

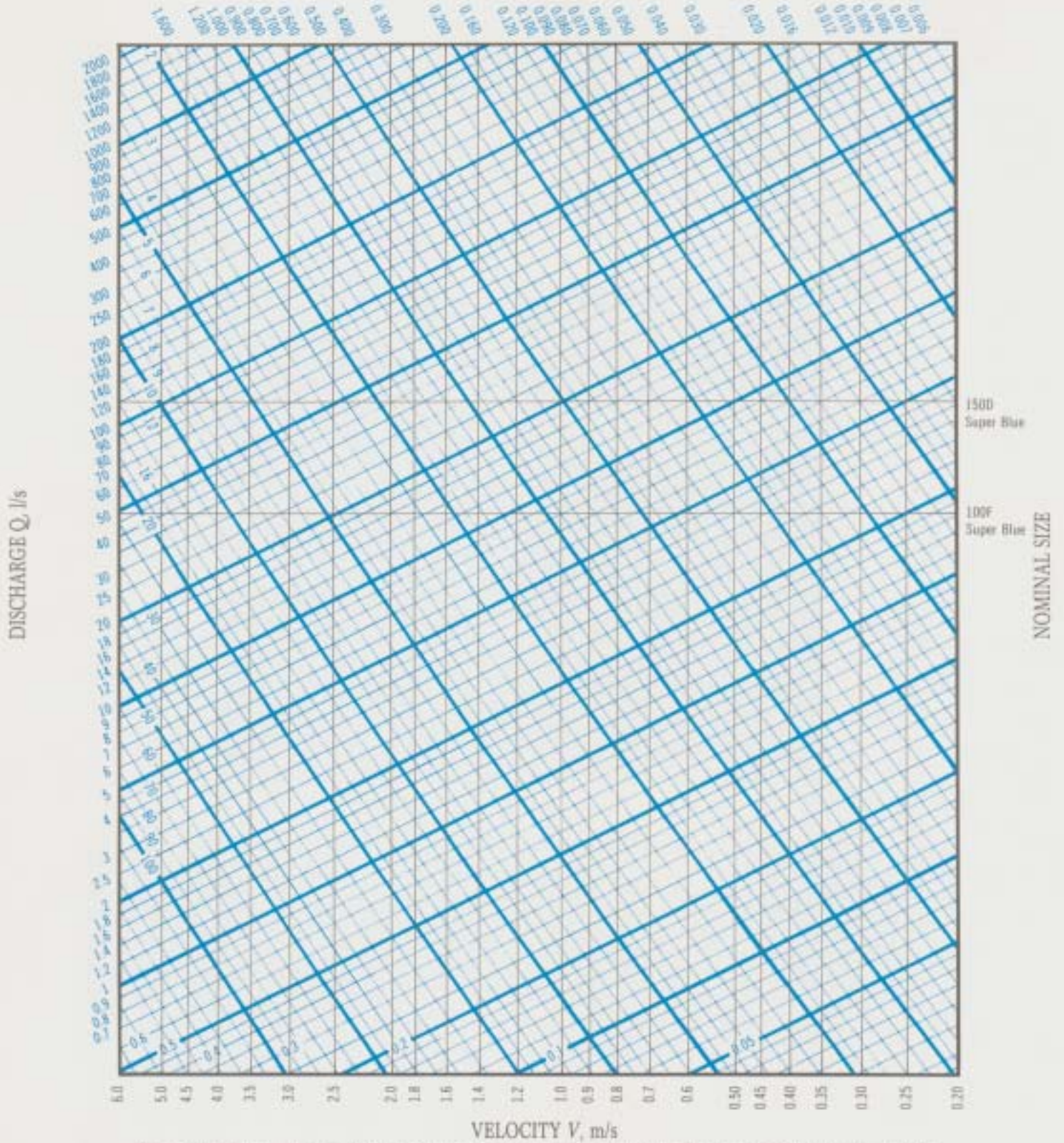
Fully compatible with AC Pipe Systems, Super Blue can be connected to the existing system by using conventional cast iron fittings.

REPAIRS

Measure the distance between the two exposed spigots and cut the Super Blue length of pipe 10mm shorter, install by using conventional cast iron joints.

FLOW CHART FOR SUPER BLUE

HYDRAULIC GRADIENT $\frac{H}{L}$ (metres/100 metres)



Hydraulic design of pipes $k = 0.003\text{mm}$ based on Colebrook-White formula for pipes flowing full with water at 20°C

MARLEY
Super Blue