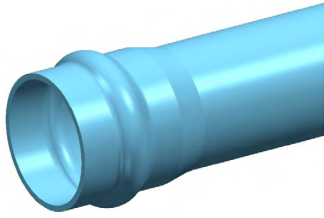


# PVC PRESSURE SYSTEM

## PVC-M



**PDHR18150**

**DN150 x 6m PN18 Blue Rhino Series 2 PVC-M Pipe Rieber RRJ**

**APPLICATION** Used for above or below ground applications to convey potable water in pressure applications.

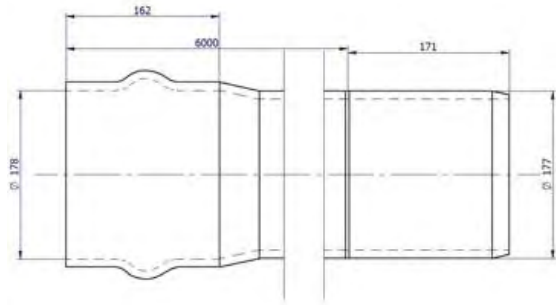
### FEATURES

- Australian Made
- BEP PVC - Manufactured from Best Environmental Practice PVC
- Installation Economics
- Operation Efficiencies
- Corrosion Resistant
- Light weight
- Electrically non conductive

### TECHNICAL DATA

#### PRODUCT PROPERTIES

Primary Material	PVC-M
Colour	Blue
Joint Type	RRJ
Rubber Ring Material	EPDM
Allowable Operation Temperature - Degrees	50°C
Allowable Operating Pressure - 20°C	1800kPa
Average # of Joints per Litre – Iplex Lubricant	25
Unprotected UV Exposure (years)	2 Years
Maximum Diametric Deflection - 50 Years	7.50%
Minimum Radius of Curvature	45m
Socket Deflection	1°



#### PRODUCT DIMENSIONS

Category	Length	Max Socket Nominal OD	177.4mm
Rating	PN18	Chamfer Detail	20mm
Length	6m	Witness Mark	176mm
Nominal	150mm	Weight	43kg
ID	159mm	Crate Qty	18
Wall Thickness	9.2mm	Crate Weight	774kg
Socket Depth	161.6mm		

#### ENVIRONMENTAL CREDENTIALS AND STANDARDS

Environmental Accreditation	Best Environmental PVC - PVC Certificate No. BEP-PVC 0037
Product Standard	AS/NZS 4765 "Modified PVC (PVC-M) Pipes for Pressure Applications"
Standards Mark Certification SMK02730.4, SMK02468.4, SMK02748	WSAA Appraisal - PA1612

### MATERIAL PROPERTIES

#### MECHANICAL

Density Specific Gravity	1.47
Ultimate Tensile Strength	38MPa
Yield Strain	5.5%
Compressive Strength	48MPa
Tensile Modulus	3000MPa
Hardness Shore D	85
Poissons Ratio	0.38
Design Stress	17.5MPa
Ring Bending Modulus (3mins)	3000MPa
Ring Bending Modulus (50Yrs)	1200MPa

#### THERMAL

Coefficient of Thermal Expansion	$7 \times 10^{-5} / ^\circ\text{C}$
Thermal Conductivity	0.138W/m.K
Specific Heat	1047 J/kg/°C
Vicat Softening Temperature	>79°C
Flammability	Will not support combustion
Fire Index – Ignitability	2
Fire Index – Smoke Development	8
Fire Index – Spread of Flame	0
Fire Index – Heat Evolved	2

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