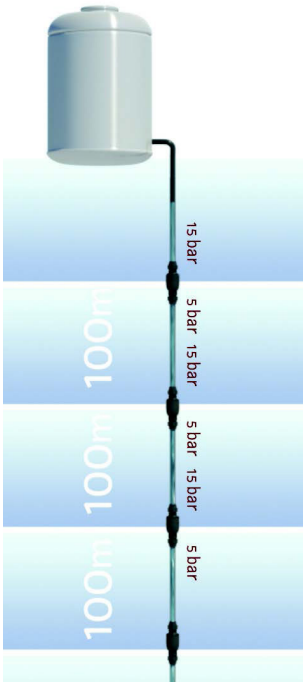
DATA SHEET

Fixed Ratio Pressure Reducing Valve

DIXON
The Right Connection®

PLASSON

Engineered specifically for the rigorous demands of the mining industry, the Plasson Fixed Ratio Pressure Reducing Valve is designed to reduce static head pressure in underground water supply systems. Featuring a durable polypropylene body and an innovative hydraulic design, this lightweight valve provides exceptional corrosion resistance and long service life, even in abrasive conditions. Designed for ease of use, it integrates seamlessly with Plasson Metric MineSafe fittings, offering a maintenance-free solution that can be installed vertically or horizontally. Whether it's managing static head pressure or delivering consistent performance across a wide flow and pressure range, the Plasson Fixed Ratio Pressure Reducing Valve is the ultimate choice for mining operations.



3:1 Ratio Example

Technical Specifications:

- Pressure rating: 16 bar
- Working pressure range: 2-16 bar
- Flow range - 63mm: 0-14m3/hour with capacity of 30m3/ hour; 110mm: nominal 55m3/ hour, maximum 80m3 /hour
- Body: Polypropylene PPB
- Seals: NBR
- Diaphragm: Reinforced Neoprene
- Available in pressure reduction ratios - 2:1 or 3:1
- Connections: Plasson Metric MineSafe fittings 63 OD & 110 OD (Adaptors available to suit imperial sizing)
- Optional: Threaded male BSP (63 OD) and shouldered (110 OD on request)
- Also available to suite Imperial IPS LINE 7

Features:

- Lightweight (approx. 15kg) for fast and easy installation
- Stable pressure control over the full flow and pressure range
- Corrosion resistant plastic body and internal parts
- Long service life even in abrasive fluids (sand, stones) due to an innovative hydraulic design and sealed moving components
- Assembled directly to PE pipe with integral Plasson compression fittings
- Can be installed either vertically or horizontally
- Maintenance free
- Unbox & install

Description	Part #
Fixed ratio pressure reducing valve 2:1 poly PPB Plasson suits 110mm metric PE pipe	PRPRV-110-2
Fixed ratio pressure reducing valve 3:1 poly PPB Plasson suits 110mm metric PE pipe	PRPRV-110-3
Fixed ratio pressure reducing valve 2:1 poly PPB Plasson suits 63mm metric PE	PRPRV-63-2