
HYDROPOWER VALVES, FUSES AND MANIFOLDS



MANIFOLD APPLICATION

The Novatek hydropower manifold is used in the working area to connect multiple tools to the incoming water supply via isolating fuses. It may also be used at a pump outlet to connect the delivery hose and provide connections for tools or test points.

- Multiple outlets 2, 3 or 4.
- Footplate - the fuses stand vertically and are easily accessible for 1-handed operation.
- Mounting holes allow the manifold to be easily secured on the sidewall or pack if required.

MANIFOLD SPECIFICATIONS

Working flowrate (l/s)	Nominally 3.0
Max working pressure (MPa)	18 (25 MPa with sch 80 pipe)
Inlet fitting	NW 20 F, NW 25 F or NW 32 F staple-lock to suit application
Outlet fitting	NW 32 F staple-lock
Mass (kg)	2 outlet – approx 2.5 kg 4 outlet – approx 4.0 kg
Material	Stainless steel, ASTM A106 B (application specific)

Note that specifications are subject to change without notice. Products may be subject to patent protection.

HYDRAULIC VALVE & FUSE APPLICATION

The Novatek hydropower fuse is both an isolating valve and a hydraulic safety fuse in one assembly. The function of the safety fuse is to rapidly reduce flow in the event of a downstream hose failure.

- Independent isolating and fusing valves. No 1 and 2 are combined in a single unit.
- No 3 fuse is combined with a separate ball valve to minimize flow losses.
- Tolerant of dirt ingress.
- Operation over a wide pressure range.
- Simple operation; easy to troubleshoot.

FUSE SPECIFICATIONS

Fuse Size	No 1	No 2	No 3
Working flowrate (l/s)	1	3	6
Integral valve & fuse	Yes	Yes	Uses ball valve & fuse
Fusing flowrate (l/s)	1.5	4.5	9
Leakage flowrate fused (l/s)	0.3	0.3	0.5
Max working pressure (MPa)	25	25	25
Inlet fitting	NW 32 M staple-lock		
Outlet fitting	NW 13 F staple-lock Use with rockdrills, stope tools.	NW 20 F staple-lock. Use with jetting gun or as supply to stope manifold.	NW 25 F staple-lock. Use with jetting gun or as supply to stope manifold
Outlet fitting (alternative)		NW 25 or 32 F staple-lock. Use as supply for specific micro hydropower applications only.	
Mass (kg)	From 3.5, depending on configuration.		
Handle operating force (N)	From 8, depending on pressure.		
Materials	Stainless steel, polymer seals & o rings.		

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