



**DELTA
FIRE**



HYDRO-WALL HOSE

ULTIMATE HEAT SHIELD PROTECTION

Key Benefits

- Wildfire Demarcation, EV Protection, Decontamination, Firefighter Rehabilitation, Dust Suppression, Asset Protection
- Up to 8m High Protective 'Waterwall' Heat Shield
- Up to 60 Metre in Length - Interconnectable Hoses
- Interchangeable Nozzle Types – Spray/Mist or Spray/Jet
- Corrosion Resistant 316 Stainless Steel Nozzles
- Premium Quality Type 3 Layflat Fire Hose
- Manufactured in the UK to Exacting Standards
- ISO9001:2015 Quality Controlled Production



Doc Ref: DDS007



DELTA FIRE

Broadland Business Park, Norwich, Norfolk, UK, NR7 0FE
T: +44(0)1603 735000 | E: sales@deltafire.co.uk | E: export@deltafire.co.uk
www.deltafire.co.uk

GENERAL DESCRIPTION

The Delta **Hydro-Wall Hose** is a unique product designed for the quick encapsulation of active fires or areas of risk, minimising the danger of fire spread and ensuring maximum heat, flame, spark and noxious gas protection for firefighters.

The potential applications of Hydro-Wall Hose are almost limitless. Whether for creating demarcation lines in forest fires or waste sites, electric vehicle protection, chemical decontamination, firefighter rehabilitation, suppression of vapour and absorption of suspended gases, cooling and wetting down of structures or vehicles, temporary protection for major events, dust suppression or as a heat shield for firefighter protection the Hydro-Wall Hose can play an integral role.

Deployable in a straight line for fire breaks or curved around any structure the Hydro-Wall Hose provides vital protection independent of personnel, taking firefighters out of high risk areas and freeing them up to concentrate on the job in hand.

Available with either 25 x nozzles per 20m length or 16 nozzles per length Hydro-Wall Hose is supplied in a choice of 52mm or 70mm diameters (other diameters available on request).



DELTA FIRE

Broadland Business Park, Norwich, Norfolk, UK, NR7 0FE

T: +44(0)1603 735000 | E: sales@deltafire.co.uk | E: export@deltafire.co.uk

www.deltafire.co.uk

OUR RANGE

All options below are supplied as standard with 2½" British Instantaneous light alloy or marine-grade gunmetal couplings however we can also offer **Hydro-Wall Hose** with any International couplings in a choice of light alloy or corrosion resistant Gunmetal/Brass on request.

Product Code	Length	Diameter	Colour	Nozzle Type	Nozzle Qty	Application	Coupling Type
HH32001331	20m	51mm	Blue	3-Hole	25	Single 20m run	2½" Instantaneous Light Alloy
HH32001332	20m	51mm	Blue	3-Hole	16	40m/60m run	2½" Instantaneous Light Alloy
HH52001331	20m	51mm	Blue	5-Hole	25	Single 20m run	2½" Instantaneous Light Alloy
HH52001332	20m	51mm	Blue	5-Hole	16	40m/60m run	2½" Instantaneous Light Alloy
HH32001531	20m	70mm	Blue	3-Hole	25	Single 20m run	2½" Instantaneous Light Alloy
HH32001532	20m	70mm	Blue	3-Hole	16	40m/60m run	2½" Instantaneous Light Alloy
HH52001531	20m	70mm	Blue	5-Hole	25	Single 20m run	2½" Instantaneous Light Alloy
HH52001532	20m	70mm	Blue	5-Hole	16	40m/60m run	2½" Instantaneous Light Alloy
HH32002331	20m	51mm	Blue	3-Hole	25	Single 20m run	2½" Instantaneous Gunmetal
HH32002332	20m	51mm	Blue	3-Hole	16	40m/60m run	2½" Instantaneous Gunmetal
HH52002331	20m	51mm	Blue	5-Hole	25	Single 20m run	2½" Instantaneous Gunmetal
HH52002332	20m	51mm	Blue	5-Hole	16	40m/60m run	2½" Instantaneous Gunmetal
HH32002531	20m	70mm	Blue	3-Hole	25	Single 20m run	2½" Instantaneous Gunmetal
HH32002532	20m	70mm	Blue	3-Hole	16	40m/60m run	2½" Instantaneous Gunmetal
HH52002531	20m	70mm	Blue	5-Hole	25	Single 20m run	2½" Instantaneous Gunmetal
HH52002532	20m	70mm	Blue	5-Hole	16	40m/60m run	2½" Instantaneous Gunmetal

Alternative size or colour?

Hydro-Wall Hose comes as standard in 20m x 51mm or 70mm diameters however alternative lengths and diameters are available on request. To help differentiate between standard fire hose colours (red & yellow) **Hydro-Wall Hose** is generally supplied in blue however red or yellow are available on request (minimum order quantities may apply).



DELTA FIRE

Broadland Business Park, Norwich, Norfolk, UK, NR7 0FE

T: +44(0)1603 735000 | E: sales@deltafire.co.uk | E: export@deltafire.co.uk

www.deltafire.co.uk

PERFORMANCE DATA

51mm Hydro-Wall Pressure/Flow Data

Supplied with either 25 x 3-hole or 5-hole nozzles (single 20m length use) or 16 x 3-hole or 5-hole nozzles (two or three 20m interconnected lengths – 40m or 60m run).

Length	Dia.	Nozzle	Nozzle Qty	Application	Inlet Pressure (bar)	Flow (lpm)
20m	51mm	3-hole	25	Single 20m run	2	380
					3	495
					4	585
					5	665
					6	725
20m	51m	3-hole	16	20m/40m/60m	2	270/455/585
					3	315/575/710
					4	375/678/840
					5	430/778/975
					6	474/872/1090
20m	51mm	5-hole	25	Single 20m run	2	380
					3	477
					4	565
					5	635
					6	705
20m	51mm	5-hole	16	20m/40m/60m	2	250/450/577
					3	310/560/705
					4	365/660/835
					5	407/745/950
					6	450/830/1050



DELTA FIRE

Broadland Business Park, Norwich, Norfolk, UK, NR7 0FE

T: +44(0)1603 735000 | E: sales@deltafire.co.uk | E: export@deltafire.co.uk

www.deltafire.co.uk

PERFORMANCE DATA

70mm Hydro-Wall Pressure/Flow Data

70mm fitted with either 25 x 3-hole or 5-hole nozzles (single 20m length use) or 16 x 3-hole or 5-hole nozzles (two or three 20m interconnected lengths – 40m or 60m run).

Length	Dia.	Nozzle	Nozzle Qty	Application	Inlet Pressure (bar)	Flow (lpm)
20m	70mm	3-hole	25	Single 20m run	2	408
					3	505
					4	602
					5	680
					6	757
20m	70m	3-hole	16	20m/40m/60m	2	260/530/739
					3	320/640/920
					4	380/770/1090
					5	430/860/1245
					6	485/947/1365
20m	70mm	5-hole	25	Single 20m run	2	400
					3	507
					4	590
					5	665
					6	725
20m	70mm	5-hole	16	20m/40m/60m	2	270/485/765
					3	320/632/915
					4	377/745/1075
					5	422/840/1199
					6	465/930/1319



Please Note: When changing or replacing nozzles they should be tightened using a torque spanner set to 4 Newton Metres (Nm). It is recommended to use a liquid PTFE paste on the nozzle threads.



Maximum Working Pressure: 8 Bar

Hydro-Wall Hose is easy to maintain and only requires periodic cleaning when required.



Inspect for Damage or Fault Before Use

As with all pressurised equipment it is important that the user inspects the hose prior to each use to ensure that all connections are securely engaged and that there is no sign of damage, degradation, fault or blockage.



Must Not be Kink-Dragged



Stow Correctly Post-Use

After use the hose should be rechecked and correctly stowed ready for next use.



DELTA FIRE

Broadland Business Park, Norwich, Norfolk, UK, NR7 0FE

T: +44(0)1603 735000 | E: sales@deltafire.co.uk | E: export@deltafire.co.uk

www.deltafire.co.uk

KEY FEATURES

Delta Hydro-Wall Hose boasts a number of key design features to ensure that performance, durability and safety are maximised at all times. Only high quality materials are used in our UK manufacturing processes, all of which are covered by our ISO 9001:2015 quality control procedures.



Hydro-Wall 3 Hose is fitted with high-grade **3-hole nozzles** manufactured from corrosion resistant 316 stainless steel; precision engineered in the UK for optimum performance.

The Hydro-Hose 3 will produce a uniform **Spray/Mist** 'waterwall' pattern up to 7.5 metres high along the entire length of the hose. The nozzles are fully interchangeable with our 5-hole nozzle sets to meet the specific requirement.



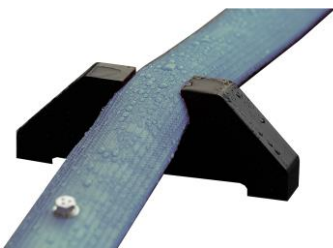
Hydro-Wall 5 Hose meets the same exacting quality standards as our Hydro-Wall 3 but is fitted with a full set of **5-hole nozzles** designed to produce a highly effective **Spray/Jet** pattern reaching heights of up to 8 metres.

Up to 3 lengths of Hydro-Wall hose can be interconnected providing a 60 metre continuous run of heat protection mitigating fire spread, absorbing suspended gasses and suppressing dangerous vapours -this product provides unmatched firefighter protection across a range of scenarios.



Hydro-Wall Hose is manufactured from premium quality Delta Nova Type 3 layflat fire hose and boasts excellent resistance to abrasion, heat, oils, chemicals and ozone. Nova has been the professional firefighter's choice for many years and has a long history of high performance, durability and safety.

Hydro-Wall Hose can be supplied with light alloy or gunmetal couplings to suit any UK or International water connection to include, Instantaneous, Storz, NH, JIS, NOR, Barcelona, UNI, Gost, Rotta to name just a few.



Every 20 metre length of **Hydro-Wall Hose** is supplied with 3 x stabilising cradles which are simply fitted under the hose prior to the water being pressurised.

These ensure the hose remains in the correct orientation once active and assists the user in shaping the hose to the desired position, whether a straight line or curved around structures such as building, vehicles, train carriages, waste skips etc, etc.



DELTA FIRE

Broadland Business Park, Norwich, Norfolk, UK, NR7 0FE

T: +44(0)1603 735000 | E: sales@deltafire.co.uk | E: export@deltafire.co.uk

www.deltafire.co.uk