



HYDRAQUIP BRAIDED HOSE DIVISION

ABOUT US

Hydraquip are a UK based company who manufacture and supply hose assemblies, quick connect couplings plus associated products to a wide cross section of industries in the UK and overseas including customers in the Data Centre (DC) and complimentary sectors.

We believe in working closely with customers so there is a full understanding of what is required, enabling the company to offer products that will achieve the customer's and the application's objectives as a minimum, but aiming to exceed them.

ESTABLISHED 1989

ISO ACCREDITED SINCE 1996

350+ GROUP EMPLOYEES

£30+ MILLION GROUP TURNOVER

UK BASED MANUFACTURER

GLOBAL CUSTOMERS

COMPUTER SECTOR SUPPLIER FOR 20+ YEARS

DATACOOL HOSE INTRODUCED 2010



of the DataCool hose range which offers a unique hose solution for rear door cooling (page 3), providing positive solutions for the issues that OEMs and operators face when using traditional hose and connections. In addition to being ideal for rear door cooling, the hose lends itself to numerous other applications where its performance brings benefits which were not available previously.

Hydraguip believe that the way forward for a company is not how slick or expensive an advertising campaign is, but by the recommendations that come via word of mouth. Hydraquip have a growing customer base built on this belief.

Our team at the Kent manufacturing facility extend an open invitation to our existing and prospective customers to visit our showroom, to arrange a visit please contact us.

FOR FURTHER INFORMATION OR TO DISCUSS SPECIFIC REQUIREMENTS CONTACT

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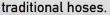


DATACOOL HOSE

SILICONE COOLING HOSES

As liquid cooling demand has increased so has the reluctance to accept an off the shelf hose which had quite often been the case in the past. Traditionally the favoured choice of hose was one with an EPDM liner which has good general resistance but as with many things nowadays, the quality of the EPDM liner varies dramatically with (hose) distributors often sourcing on price due to market demand rather than on quality. This could potentially lead to contaminants leaching from the liner over a period of time or in extreme cases the hose actually breaking down due to inappropriate stress levels resulting in a failure and costly leak.

Hydraquip's DataCool hose assemblies offer unrivalled performance and unequalled benefits when compared against





Silicone is seen as a superior elastomer to EPDM due to the added benefits it provides, as well as generally providing longer life in service.

Not only is silicone excellent in extreme heat but it is also seen as a sterile elastomer, which reduces the risk of leaching.

	HQ DATACOOL HOSE	RUBBER HOSE	
LINER/COVER	SILICONE	EPDM	
WATER/GLYCOL RESISTANCE	YES	YES	
FLEXIBILITY (LATERAL)	YES	YES	
FLEXIBILITY (TORSION)	YES	NO NO	
	00.100	NOW DOWN	
POSITIVE PRESSURE	YES	YES	FLEX & TWIST CAPABILITIES
NEGATIVE PRESSURE	YES	SOME TYPES	
MAXIMUM TEMPERATURE (COMPOUND)	230°C (446°F)	130°C (266°F)	FULL DATACOOL HOSE SPEC
IGNITION TEMPERATURE	450°C	SUBJECT TO TYPE	SHEET AVAILABLE ON REQUEST
	Name of the last o		
OZONE RESISTANT	YES	YES	
CMOVE IS ON SIDE	VALUETE (CIL IOV)	DI AOI/	
SMOKE IF ON FIRE	WHITE (SILICA)	BLACK	
GASES IF ON FIRE	NON TOXIC	TOXIC	
	Testing -	INVEST	





REAR DOOR FIT-SWIVELS REQUIRED?

The information given above is intended as a guide for rubber hose and is based on a typical EPDM hose (Ethylene Propylene Diene Monomer).



BRAIDED EPDM RUBBER HOSE

STAINLESS STEEL OVER BRAIDED HOSE ASSEMBLIES

For liquid cooling applications requiring a pressure only hose Hydraquip offer a range of stainless steel over braided peroxide cured EPDM rubber hose assemblies that are manufactured at our Kent (UK) factory. Available in bore sizes DN06 to DN50 with a complementary range of fittings which are hydraulically crimped on to ensure a secure connection. Extensively used globally in H&V applications since the early 1990s, this range has a comprehensive list of key projects that it has been used in.

Independently tested by BSRIA to their BG4-2004 Flexible Hose Standard. The hose has passed accelerated life testing and has an expectancy of circa 10 years under normal working conditions.



HQ BX RANGE

LINER/COVER	EPDM / STAINLESS STEEL BRAID	
WATER/GLYCOL RESISTANCE	YES	
FLEXIBILITY (LATERAL) FLEXIBILITY (TORSION)	YES NO	
POSITIVE PRESSURE NEGATIVE PRESSURE	YES NO	
TEMPERATURE	110°C	SH
OZONE RESISTANT	YES	
SMOKE IF ON FIRE GASES IF ON FIRE	BLACK TOXIC	
REAR DOOR FIT-SWIVELS REQUIRED?	YES	



FULL BRAIDED HOSE SPEC IEET AVAILABLE ON REQUEST





RUBBER & PLASTIC HOSE

A COMPREHENSIVE RANGE

Hydraquip offer a wide range of rubber and plastic hoses which are available for internal and external fitment. These include EPDM, NBR, silicone, nylon, polyethylene, polyurethane, PTFE etc with bespoke compounds available on request where a standard tube is not ideal.

Working closely with major hose manufacturers in the UK and overseas, Hydraquip has a history of providing bespoke hose solutions in rubbers and plastics offering a unique hose solution that meets the criteria set down by a specific application.

These can be supplied as finished assemblies with factory fitted end connections or as loose hose in coils.





A vast array of plastic tube compounds is available with either chemical resistance or hardness being the key criteria. Subject to the correct chemical resistance, these tubes can be used for the conveyance of liquids or even totally submerged in them.

HQ INDUSTRIAL HOSE RANGE

LINER/COVER	VARIOUS RUBBERS & PLASTICS
WATER/GLYCOL RESISTANCE	YES
FLEXIBILITY (LATERAL) FLEXIBILITY (TORSION)	YES NO
POSITIVE PRESSURE NEGATIVE PRESSURE	YES AVAILABLE
MAXIMUM TEMPERATURE (COMPOUND)	FROM+60°C
OZONE RESISTANT	YES
SMOKE IF ON FIRE GASES IF ON FIRE	SUBJECT TO MATERIAL SUBJECT TO MATERIAL
REAR DOOR FIT-SWIVELS REQUIRED?	YES



FULL INDUSTRIAL HOSE SPEC SHEET AVAILABLE ON REQUEST





STAINLESS STEEL HOSE

FROM BORE SIZES DN06 TO DN200

For liquid cooling applications requiring a pressure only hose Hydraquip offer a range of stainless steel hose assemblies. Available in bore sizes DN06 to DN200 with a complementary range of fittings which are welded on to ensure a secure connection.

Extensively used globally in H&V applications since the early 1990s this range has a comprehensive list of key projects that it has been used in. Independently tested by BSRIA the hose has passed accelerated life testing and has an expectancy of circa 25 years under normal working conditions.



HQ STAINLESS STEEL HOSE RANGE

LINER/COVER	STAINLESS STEEL / STAINLESS STEEL BRAID	
WATER/GLYCOL RESISTANCE	YES	
FLEXIBILITY (LATERAL) FLEXIBILITY (TORSION)	YES NO	
POSITIVE PRESSURE NEGATIVE PRESSURE	YES YES	
TEMPERATURE RANGE	-200°C TO +700°C	SI
OZONE RESISTANT	YES	
SMOKE IF ON FIRE GASES IF ON FIRE	N/A N/A	
REAR DOOR FIT-SWIVELS REQUIRED?	YES	



FLEXING ONLY

FULL STAINLESS HOSE SPEC SHEET AVAILABLE ON REQUEST





ANTI VIBRATION BELLOWS

REDUCTION OF NOISE & VIBRATION

Hydraquip's pump flexible connectors are designed for installation onto vibrating equipment to reduce the transmission of noise and vibration to the attached pipeline system.

They are suitable for use with potable water, warm water, sea water, air and weak acid and are available with carbon steel end fittings as standard or with stainless steel end fittings available on request.

NOTE: Rubber pump flexibles should not be used at both their maximum working temperature and pressure simultaneously.

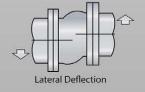


- UNIVERSAL
- TIED LATERAL
- HINGED

- MULTIPLE PUMP FLEXIBLES (TIED OR UNTIED)
- RUBBER BELLOWS

HQ ANTI VIBRATION BELLOWS

LINER/FITTINGS	EPDM RUBBER / CARBON STAINLESS STEEL
WATER/GLYCOL RESISTANCE	YES
FLEXIBILITY (LATERAL) FLEXIBILITY (TORSION)	YES NO
POSITIVE PRESSURE NEGATIVE PRESSURE	YES YES
MAXIMUM TEMPERATURE (COMPOUND)	-10°C to +90°C
OZONE RESISTANT	YES
SMOKE IF ON FIRE GASES IF ON FIRE	BLACK (RUBBER ONLY) TOXIC (RUBBER ONLY)
REAR DOOR FIT-SWIVELS REQUIRED?	N/A





FULL BELLOWS SPEC SHEET AVAILABLE ON REQUEST





CEJN ultraFLOW COUPLINGS

LIGHTWEIGHT. NO SPILL. HIGH FLOW & LOW PRESSURE

Power density is increasing rapidly, requiring an effective cooling solution to avoid overheating. Traditionally air has been the preferred solution, but with the fast-moving development, liquid cooling has been shown to be the most effective. The CEJN ultraFLOW range is a series of lightweight couplings with a flat-face design to guarantee no spill, high flow and low pressure drop for the lowest pump pressure. This will extend hardware life and keep running costs low.

Used in conjunction with Hydraquip's DataCool hose range this pairing offers designers, installers and operators exciting



HQ ULTRA FLOW COUPLINGS

BODY MATERIAL SEAL	HARD ANODIZED ALUMINIUM (ALSO AVAILABLE IN STAINLESS STEEL) EPDM	
WATER/GLYCOL RESISTANCE	YES	
FLEXIBILITY (LATERAL) FLEXIBILITY (TORSION)	NO MINIMAL. NOT TO BE USED AS A SWIVEL JOINT	
POSITIVE PRESSURE NEGATIVE PRESSURE	YES NO	
TEMPERATURE RANGE	-20°C to +100°C	FULL U
REAR DOOR FIT-SWIVELS REQUIRED?	SUBJECT TO HOSE TYPE	
OPTIONS	BRASS OR STAINLESS BODIES. COLOUR CODING. FLUOROSILICONE (FVMQ) SEALS	



FULL ULTRAFLOW SPEC SHEET AVAILABLE ON REQUEST







NON SPILL QUICK RELEASE COUPLINGS

NON DRIP SERIES

In applications such as cooling of electronics, machinery and moulds, there is the CEJN Non Drip Series, a range of quick connect couplings and nipples for low pressure fluid applications. The coupling's dry-break feature is 100% functional and leak-tight tested during the production process to ensure a reliable coupling for liquid cooling.

The affordable Non Drip Series is available in two material versions, nickel-plated brass and a corrosion-resistant stainless steel AISI 316 version. This series is ideal for connecting all types of fluid lines, whether your application involves cold or hot water, dielectric fluids, glycols, mineral or synthetic heat transfer oils.

NON SPILL QUICK RELEASE COUPLINGS BENEFITS





NEGATIVE PRESSURE

TEMPERATURE RANGE

OPTIONS

REAR DOOR FIT-SWIVELS REQUIRED?

BRASS OR STAINLESS BODIES. COLOUR CODING.

-20°C to +150°C

SUBJECT TO HOSE TYPE

SAFETY LOCK FEATURE

Solution Provider

FULL NON DRIP SERIES SPEC

SHEET AVAILABLE ON REQUEST



FULL FLOW QUICK RELEASE COUPLINGS

SERIES 701

CEJN series 701 brass couplings are ideal for larger fluid lines where a shut off is not required. Its beneficial feature is the economical valveless design that permits unrestricted high flow, a real advantage when connecting high flow rate circuits within thermal control management.

The straightforward design reduces pressure drop and makes it easy to maintain and service. The full flow series offers a long service life in applications with maximum working pressures of 20 bar. Optional colour coded rings and a safety-locking device are available for added safety protection.



- MAX FLOW
- UNRESTRICTED
- COMPACT DESIGN
- COLOUR CODING OPTION
- SAFETY LOCK OPTION

HQ FULL FLOW COUPLINGS

BODY MATERIAL SEAL	NICKEL PLATED BRASS/STAINLESS STEEL EPDM	
WATER/GLYCOL RESISTANCE	YES	
FLEXIBILITY (LATERAL) FLEXIBILITY (TORSION)	NO MINIMAL. NOT TO BE USED AS A SWIVEL JOINT	Œ
POSITIVE PRESSURE NEGATIVE PRESSURE	YES NO	The C Soli
TEMPERATURE RANGE	-30°C to +100°C	
REAR DOOR FIT-SWIVELS REQUIRED?	SUBJECT TO HOSE TYPE	
OPTIONS	BRASS OR STAINLESS BODIES. COLOUR CODING. SAFETY LOCK FEATURE	HQ FUL AVAIL



HQ FULL FLOW SPEC SHEET AVAILABLE ON REQUEST





VALVES & FITTINGS

FLUID POWER PRODUCTS

To complement the Hydraquip range of hose and tubes there is an extensive range of valves, clamps and fittings available in a variety of materials and specifications to suit most applications.

These include ball valves, flanged valves, adaptors, clamps, compression fittings, push fittings and micro fittings to name a few. In addition to the standard range of fittings Hydraquip are able to offer specials or bespoke design items for larger users.



