

# HYDRAQUICK

## DOUBLE SHUT OFF QUICK RELEASE COUPLINGS

FOR BUILDING SERVICES & PLUMBING APPLICATIONS

LONG TERM COST SAVING CONNECTIONS FOR H&V SYSTEMS



Based on a proven design the HYDRAQUICK range provides an affordable and secure double shut off solution for hose connections

With ever increasing demands on designers and operators of systems within modern buildings, practical and cost saving solutions are a priority on most shopping lists.

The HYDRAQUICK range allows operators to connect and disconnect flexible pipes without system shutdown or drainage alongside the ability to loop out appliances during the flushing process.

Based on a proven design that has been in use within the building service industry since the mid 1990's, the range offers significant savings on the original design making the inclusion of these couplings more realistic for a wider selection of projects without sacrificing any of the benefits.

Primarily designed and used for (but not restricted to) ceiling panels and fan coil applications two sizes are stocked for immediate despatch or for inclusion on a flexible hose assembly. Other variations of the range are available on request for OEMs and large contracts where the standard coupling does not meet the required criteria.

**SERIES HQ18** available with 1/2" bspp female threads. Especially recommended for use on ceiling applications



**SERIES HQ19** available with 3/4" bspp female threads. Especially recommended for use on fan coil applications.



**NICKEL PLATED DZR BRASS BODY**  
**TOTAL ISOLATION - DOUBLE SHUT OFF**  
**0 - 35 BAR WORKING PRESSURE**

QUICK CONNECT & DISCONNECT



LOOP OUTS  
DRAIN  
FLUSHING



A HYDRAQUIP PRODUCT

[www.hydraquip.co.uk](http://www.hydraquip.co.uk)

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## GENERAL INFORMATION:

The coupler and plug are manufactured from DZR brass to provide a superior resistance to premature failure associated with stress corrosion, cracking and dezincification with nickel plating on all external parts. EPDM seals provide a good resistance to temperature and chemicals that are generally used in H&V systems with stainless steel balls and springs securing the leak free connection. Both the plug and the coupling are fitted with shut off valves which allow disconnection and connection under normal system operating pressures thus removing the need to "shut down" a system.

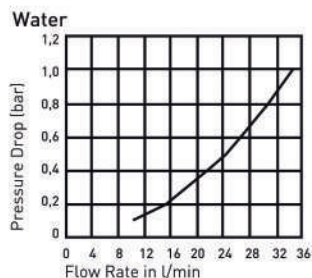
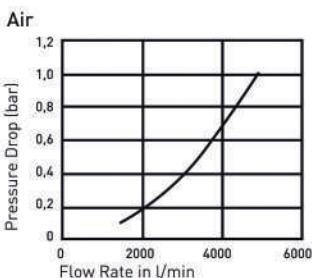
A design feature of the HQ18 & HQ19 Series quick release couplings means there is minimal spillage on connection and disconnection which is assisted by a secondary seal to prevent leakage or spurting during this operation. The internal design of the valve is such that performance is guaranteed with a high flow rate and minimal pressure drop ensuring systems are able to perform at maximum efficiency.

<p><b>MAX WORKING PRESSURE</b> 35 BAR</p> <p><b>TEMPERATURE RANGE</b> -20C +100C (-4F +212F)</p> <p><b>FLOW CAPACITY</b> SERIES HQ18      NW – 9.5 SERIES HQ19      NW – 12.4</p> <p><b>INTERCHANGEABILITY</b> SERIES HQ18 INTERCHANGEABLE WITH PARKER RECTUS TEMA 1800 SERIES HQ19 INTERCHANGEABLE WITH PARKER RECTUS TEMA 1900 SERIES</p>	 <p style="text-align: center;"><b>SERIES HQ 18</b></p>	 <p style="text-align: center;"><b>SERIES HQ 19</b></p>
<p><b>COUPLER</b></p> <p>PART NUMBER THREAD HEX (A/F) LENGTH (L) DIAMETER (D)</p> <p><b>PLUG</b></p> <p>PART NUMBER THREAD HEX (A/F) LENGTH</p> <p><b>COUPLER &amp; PLUG ASSEMBLED</b> LENGTH</p> <p><b>MATERIALS OF CONSTRUCTION (COUPLER &amp; PLUG)</b></p> <p>BODY SLEEVE VALVE SPRINGS BALLS SEALS</p>	<p><b>HQ18-12-C01</b> ½" BSP 25mm 59mm 28mm</p> <p><b>HQ18-12-P01</b> ½" BSP 25mm 50mm</p> <p style="text-align: center;"><b>85mm</b></p> <p>NICKEL PLATED DZR BRASS NICKEL PLATED DZR BRASS BRASS STAINLESS STEEL STAINLESS STEEL EPDM</p>	<p><b>HQ19-34-C01</b> ¾" BSP 30mm 70mm 32mm</p> <p><b>HQ19-34-P01</b> ¾" BSP 30mm 62mm</p> <p style="text-align: center;"><b>104mm</b></p> <p>NICKEL PLATED DZR BRASS NICKEL PLATED DZR BRASS BRASS STAINLESS STEEL STAINLESS STEEL EPDM</p>

**INSTALLATION NOTES:** Ensure when assembling either the coupler or plug (female threaded) onto a male thread that care is taken not to over tighten. Torque settings will vary on different manufacturers thread tolerances (on the part to be connected to) and should be treated accordingly. The use of sealing tape or hemp will increase the size of a tapered (male) thread and could lead to a stress fracture on the quick release coupling/plug if over tightened, so this form of sealing is not approved. The use of Loctite 542 thread sealant is the approved product, following manufacturer's instructions and should then be hand tightened followed by a maximum quarter turn with a correct size spanner to finalise the seal. Do not use an adjustable spanner or wrench. Parallel threads should be sealed using a sealing washer or sealing ring.

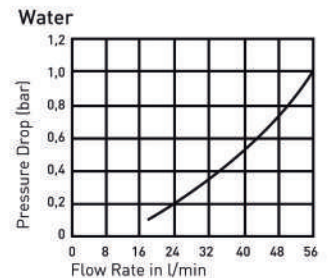
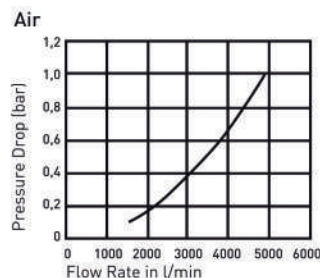
## SERIES HQ 18

Flow Diagrams



## SERIES HQ 19

Flow Diagrams



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