

# WET BARREL HYDRANT HEADERS



Knowsley SK Limited - Designer and Manufacturer of Fire Fighting Equipment & Systems

*Strategic fire protection - when and where its needed most*





*Established in 1896, Knowsley SK Ltd has an enviable reputation for manufacturing quality fire fighting equipment and systems for high-value asset protection that can be relied upon whenever danger strikes.*

## 01 Product Overview

Fire hydrants are an essential part of any firefighting system. They enable the distribution of large volumes of firefighting water very quickly across a site.

Knowsley SK wet barrel pillar hydrants offer a cost-effective and low maintenance solution to your hydrant needs where freezing is not a consideration.

Where freezing is to be considered, please see our comprehensive range of internally valved pillar hydrants.

## 02 Design

Knowsley SK's experienced engineers incorporate their many years' knowledge and expertise in designing and manufacturing hydrants to suit our clients' specifications.

Common considerations include: size, layout, materials, and fittings / accessories.

Design work can also include production of General Arrangement and Isometric Drawings, Bills of Materials, and Spares Lists on request.

## 03 Size

Knowsley SK wet barrel hydrants can be manufactured in various sizes, from 3"(80mm) NB single outlet standpipes and spools, to very large, high volume outlets to serve the largest firefighting equipment on the market.

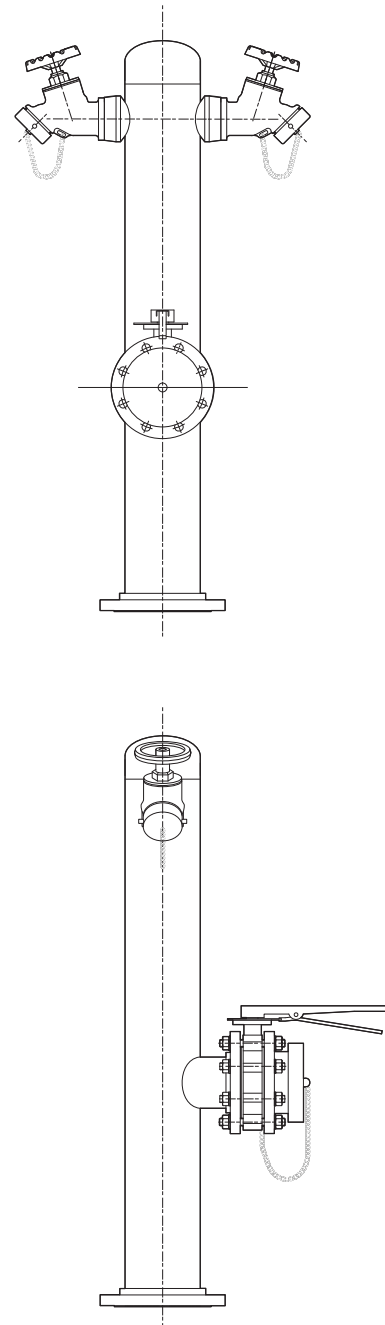


Figure 1. Typical Wet Barrel Hydrant Header

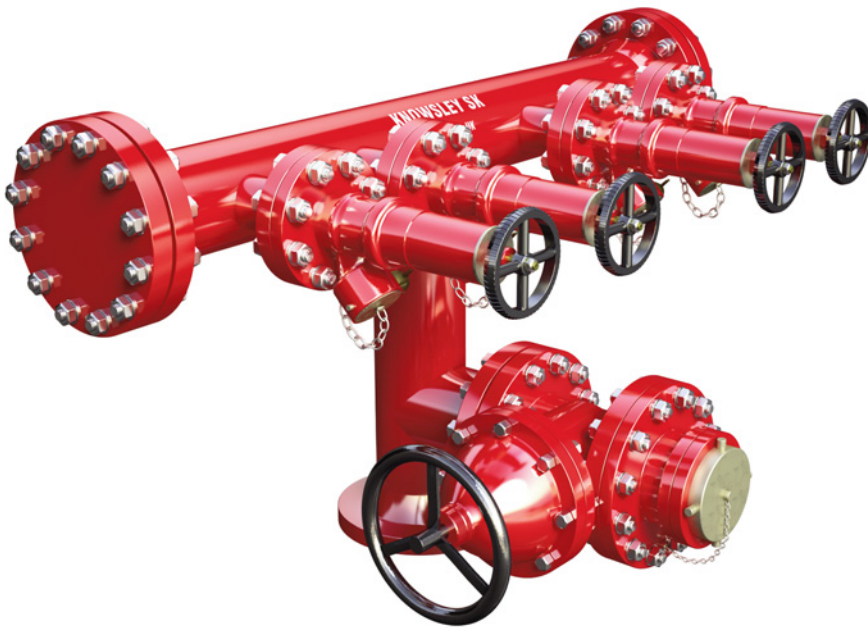
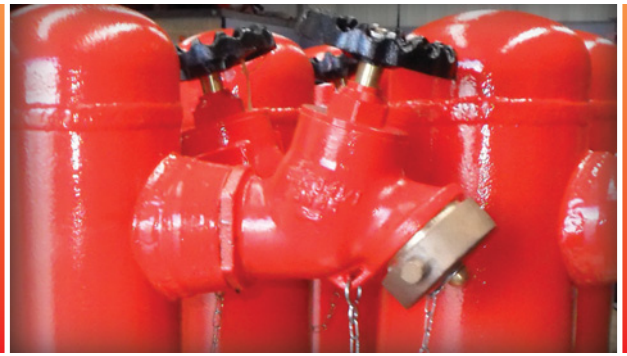


Knowsley SK Limited, Centrepoint, Marshall Stevens Way, Trafford Park, Manchester M17 1AE  
Tel: +44(0)161 872 7511 Fax: +44(0)161 848 8508 Email: Sales@knowsleysk.co.uk Web: www.knowsleysk.com

Registered in England No. 1789152 VAT No:383475131



*Our Century of experience, continuous product development and world-wide support network provides the confidence for clients to select Knowsley SK as their first choice for asset protection whatever, whenever and wherever the risk*



**Figure 2.** Bespoke Wet Barrel Hydrant Header Layout

## 05 Layout

As an O.E.M. we are able to offer complete flexibility in the layout of our hydrants. According to specifications, we can furnish any combination of the following:

- Header inlet size and type
- Number of outlets
- Size of outlets
- Position / orientation of outlets
- Flanged / threaded / symmetrical connections

## 04 Product Materials

Our standard materials for wet barrel headers are:

- Carbon Steel
- Gunmetal
- Stainless Steel

We can, however, manufacture wet barrel headers from any commercially available material on request.

## 06 Accessories

Knowsley SK hydrant headers can be equipped with a vast range of equipment. Accessories are listed below:

- Hose Valves & Connections
- Pressure Regulating Valves (PRVs)
- Pumper Valves & Connections
- Monitors



**Figure 3.** Variant including butterfly isolation and pumper valves, and (non-pressure regulating) globe valves.

Monitor may also be top-mounted.





*Our experience spans the globe and covers all high risk applications from Oil refineries and LNG Processing Facilities through to Offshore Platforms, Petrochemical Installations, Storage Tank Farms and Loading/Offloading Wharves and Jetties.*

## 07 Finish

Knowsley SK can offer a range of internal / external coatings to suit almost any specification, enabling reliability and longevity in the harshest of conditions.

Common finishes are:

- Cosmetic paint for identification
- Galvanising
- Epoxy paint systems
- Fusion Bonded Epoxy (FBE)

Coating specifications involving other coatings can be accommodated on request.

## 09 Spares / Maintenance

Wet barrel hydrant bodies have no moving parts, and consequently are an extremely low maintenance item of equipment.

Valves and accessories require maintenance as normal.

Please contact our dedicated spares department for standard spares kit and any other requirements: [spares@knowsleysk.co.uk](mailto:spares@knowsleysk.co.uk)

## 10 Ancillary Equipment

Knowsley SK offers a full range of ancillary equipment to accompany your hydrants:

- Hose
- Handline Nozzles
- Portable / Mobile Monitors
- Portable / Mobile Foam Equipment
- Equipment Cabinets

Please see our product specific datasheets for further details.

## 08 High Volume Headers

As well as hydrants to feed handlines and portable equipment. Knowsley SK also manufacture high volume fire water headers, designed to supply the largest mobile / semi-static firefighting equipment on the market.

As with hydrant headers, high volume headers are fully customizable in terms of size, layout, connections, and finish.



Figure 4. High Volume Headers

