

# HILCOFLEX AQUA

Durable potable water hose in polyurethane



Layflat potable  
water hose approved  
to BS and NSF!

## APPLICATIONS

- municipal water supply
- military and marine
- foodstuff industry
- potable water transfer
- bypass for temporary pipeline, repair or disaster response

## FEATURES

- excellent abrasion resistance and durability
- easy cleaning and disinfection, no drying required
- superior flow performance
- excellent resistance to weathering, UV and ozone
- lightweight and easy to handle compared to PE or steel pipes
- excellent cold flexibility



**GOLLMER & HUMMEL**

— The Hosefactory —

# HILCOFLEX AQUA

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| Bore size<br>(mm) (inch) | Weight<br>(gr/m) (lbs/ft) | Wall thickness<br>(mm) (inch) | Working pressure*<br>(Bar) (PSI) | Bursting pressure<br>(Bar) (PSI) | Breaking strength**<br>(kg) (lbs) | Article code |
|--------------------------|---------------------------|-------------------------------|----------------------------------|----------------------------------|-----------------------------------|--------------|
| 25 1"                    | 160 0.11                  | 1.6 0.06                      | 16 250                           | 50 750                           | 1,200 2,600                       | 20400-025000 |
| 38 1 1/2"                | 280 0.19                  | 1.8 0.07                      | 16 250                           | 50 750                           | 1,700 3,700                       | 20400-038000 |
| 45 1 3/4"                | 330 0.22                  | 1.8 0.07                      | 16 250                           | 50 750                           | 3,000 6,600                       | 20400-045000 |
| 52 2"                    | 500 0.34                  | 2.0 0.08                      | 16 250                           | 50 750                           | 3,700 8,100                       | 20400-052000 |
| 65 2 1/2"                | 650 0.44                  | 2.0 0.08                      | 16 250                           | 50 750                           | 4,300 9,400                       | 20400-065000 |
| 76 3"                    | 750 0.50                  | 2.5 0.10                      | 16 250                           | 50 750                           | 6,500 14,300                      | 20400-076000 |
| 102 4"                   | 1,150 0.77                | 2.8 0.11                      | 14 200                           | 42 600                           | 9,500 20,900                      | 20400-102000 |
| 127 5"                   | 1,400 0.94                | 2.8 0.11                      | 10 150                           | 30 450                           | 12,000 26,400                     | 20400-127000 |
| 152 6"                   | 1,650 1.11                | 2.8 0.11                      | 10 150                           | 30 450                           | 15,000 33,000                     | 20400-152000 |
| 203 8"                   | 2,200 1.48                | 3.0 0.12                      | 8 115                            | 24 345                           | 18,500 40,700                     | 20400-203000 |
| 254 10"                  | 2,850 1.92                | 3.2 0.13                      | 7 100                            | 21 300                           | 23,500 51,800                     | 20400-254000 |
| 305 12"                  | 3,500 2.35                | 3.3 0.13                      | 5 70                             | 15 210                           | 38,000 83,700                     | 20400-305000 |

Standard lengths : 100 / 200 m (330 / 660 ft), other lengths on request

Standard colour : blue

Service temperature: -50°C up to +50°C (-58°F up to 122°F), based on water

Approvals : NSF 61, BS 6920, KTW / DVGW (Germany)

Tolerances can be found in the technical appendix

Change in technical specification without prior notice

10 Bar = 1 MPa

\* technical data based on water. Depending on the application our product can be operated with a maximum working pressure up to 50% of the bursting pressure. Consult factory for approval!

It is important to note, that the technical data for pressure are only valid for hose and not for hose assembly with couplings!

\*\* to obtain maximum lifetime the end pull under working conditions should not exceed 1/3 of the breaking strength

## CONSTRUCTION

### Textile reinforcement:

- high tenacity polyester yarn, circular woven
- special design for optimized flow performance and minimum bending radius
- totally embedded in the PU compound, excellent protected against mechanical damage and microbiological attack

### Lining and cover:

- special food grade polyurethane extruded "through the weave" in a unique one step production process
- inside: very smooth for minimum friction loss, optimized cleaning and disinfection properties
- outside: very smooth for good flexibility

## SPECIAL OPTIONS

- single lengths longer than 200 m (660 ft)
- 25 - 76 mm (1 - 3") up to 500 m (1,650 ft)
- 102 - 127 mm (4 - 5") up to 400 m (1,320 ft)

Note that special options are subject to a higher price and a minimum order of 1,000 m (3,300 ft) per dimension. Production short lengths and over-production up to 10% of the total order quantity have to be accepted.

Enquire for details!

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