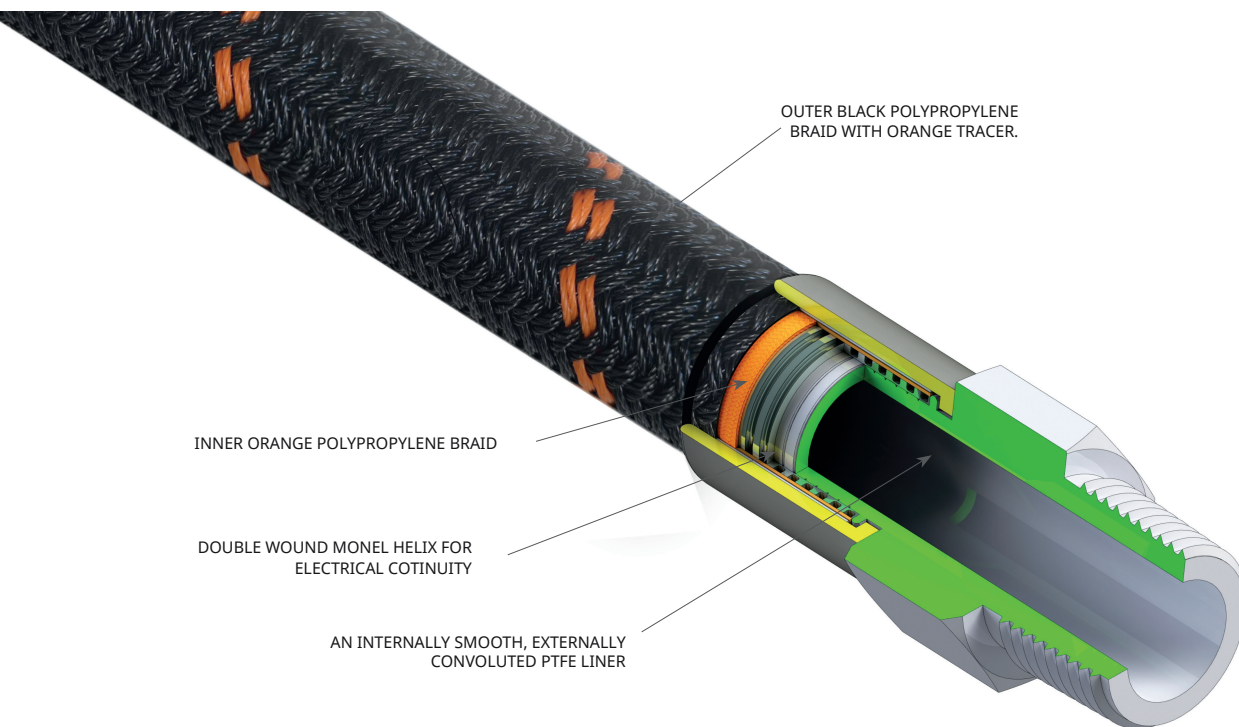


# Bioflex Ultra HF Acid Hose

PTFE Hose for biotechnology & pharmaceutical fluid transfer

Very flexible - very tough - smooth bore for fast flow and easy clean



Nominal Hose Size		Actual Bore Size		Outside Diameter		Maximum Working Pressure		Burst Pressure		Minimum Bend Radius	Maximum Continuous Length	
in	mm	in	mm	in	mm	psi	bar	psi	bar	mm	ft	mtrs
1	25	1	25.4	1.75	44.4	363	25	1450	100	80	59	18
1 1/4	32	1 1/4	32	2.02	51.3	334	23	1305	90	110	59	18
1 1/2	40	1 1/2	38	2.23	56.6	290	20	1160	80	155	56	17
2	50	2	50.8	2.87	72.9	218	15	870	60	220	33	10

## BIOFLEX ULTRA HF ACID HOSE SPECIFICATIONS

### HOSE BORE SIZE RANGE -

1" (25MM) UP TO 2" (50MM)

### MAXIMUM HOSE LENGTHS -

18 METRES (59 FEET) UP TO 1 1/4", 17 METRES (56 FEET) 1 1/2"

10 METRES (33 FEET) 2"

### TEMPERATURE LIMITS -

FROM -40 °C (-40 °F) UP TO + 60 °C (+140 °F) CONTINUOUS

### WORKING PRESSURE RATINGS -

FROM 25 BAR (363 PSI) FOR 1" BORE, TO 15 BAR (218 PSI) FOR 2" BORE

### VACUUM LIMITATIONS -

USABLE AT VACUUM TO -0.9BAR FOR ALL SIZES

### END FITTING OPTIONS - Non-lined, or PTFE lined and flared design:

ANSI 150, DIN AND JIS SWIVEL FLANGE FITTINGS, CAM & GROOVE FITTINGS AND DIP PIPES

### END FITTING OPTIONS - Non-lined design:

SANITARY TRI-CLAMP FITTINGS, BSP, NPT AND JIC THREADED FITTINGS, DIN 11851, RJT AND SMS HYGIENIC FITTINGS

**SUITABLE FOR CONTINUOUS USE WITH HALOGENS AND HALIDE CONTAINING MEDIA INCLUDING CHLORINE, HYDROCHLORIC ACID, BROMINE, HYDROBROMIC ACID AND HYDROGEN FLUORIDE.**

- **Pressure and Temperature Limitations**

**Maximum Working Pressures** - as listed above apply from -40 °C (-40 °F) up to the maximum operating temperature of 60 °C (140 °F).

**Burst Pressures** - The hose burst pressures are equal to or more than the maximum working pressures × 4.

- **Vacuum Limitations**

Usable at vacuum to -0.9bar up to 60°C (302°F).

- **Flexibility**

Much less force to bend than any other smooth bore PTFE lined hose product.

- **Kink resistance**

Good kink resistance, when compared to traditional smoothbore type products.

- **'Rolling U' Flex Life Test**

More than 100 × the flex life to failure compared with all other types of smooth bore PTFE, FEP and PFA lined rubber covered hose products.

- **Flow rates**

More than 2 times the flow rates for convoluted bore hose designs. Consult Aflex Hose for specific flow rate information.

- **Gas permeability**

Reduced gas permeability compared with other PTFE lined hose designs, due to the heavy compression applied to the PTFE during processing which reduces porosity.



*A member of Watson-Marlow Fluid Technology Solutions.  
A Spirax-Sarco Engineering plc company*

**BFXUHF - UK/25.07.22 Rev 0**

Disclaimer: The information contained in this document is believed to be correct but Aflex Hose Limited accepts no liability for any errors it contains and reserves the right to alter specifications without notice. It is the users' responsibility to ensure product suitability for use within their application. Bioflex, Corroflon, Corroline, Pharmaline N&X, FaBLINE and Hyperline FX are registered trademarks of Aflex Hose Limited.

**McGill Hose Locations:**

45 Industrial Dr,  
East Longmeadow, MA  
413-525-3977

35 Industrial Pkwy Unit F,  
Woburn, MA  
781-933-3300

920 Broadway,  
East Providence, RI  
401-438-0639