



XFlame hydro®

Self-extinguishing PU hose, resistant to welding spatter, very elastic



flame retardant



spiral-free



metal-free

Product Details

Construction / Material

- Type of construction: extruded hose without metal spiral
- Execution of the wall: made of highly abrasion-resistant material / made of a material that is insensitive to stress corrosion cracking / made of a material with high impact strength / made of a material with dielectric properties / made of a material with elastic properties
- Specifications of the wall: flame resistance tested according to UL 94 V2 - V0

Properties

- Chemical Properties: good resistance to oil / good UV resistance / halogen-free / hydrolysis resistant / microbe-resistant / plasticiser-free / free from paint wetting impairment substances (LABS)
- Mechanical Properties: small bending radius / kink-resistant
- Physical Properties: flexible at low temperatures / good damping behaviour

Operating Temperature

- Temperature Range: -40 to 90 °C

Delivery Information

- Delivery, type of production: inner diameter: 2.0 - 11.0 mm / outer diameter: 4.0 - 16.0 mm

Application Areas

- Areas of application: Agriculture / Automotive / Plant & Mechanical Engineering / Robotics & Automation / Industry / Aerospace technology / Sea & Rail transport / Chemistry / Surface Technology / Food & Pharma / Plastics / Conveying, lifting & feeding technology / Textile / Printing & Paper / Vehicle Construction / Metal & Toolmaking

Customizing Options

- optional item modification (on request): other colours / printable / multiple hose / spiral version / shaped hose / rolls / cut-to-size sections

Article Variants

Nominal Size (DN) mm	Outer diameter mm	Bending radius* mm	Operating pressure bar	Inner mm	Wall thickness mm	Tolerance inner & outer diameter mm	Wall thickness tolerance mm	Weight g/m
2	4	7	18.00	2	1	± 0.10	-0.15	11.9
4	6	8	12.00	4	1	± 0.10	-0.15	19.8
4	8	9	21.00	4	2	± 0.15	-0.5	47.5
6	10	15	17.00	6	2	± 0.15	+/- 0.1	63.3
8	12	26	12.00	8	2	± 0.15	-3	79.2
10	14	38	10.00	10	2	± 0.15	-3	95
11	16	48	12.00	11	2,5	± 0.15	-3	133.6

All data refer to a medium and ambient temperature of 23°C

* Smallest bending radius, related to the inside of the hose bend.

Operating pressure is given with a 3-fold safety factor and applies to the medium air, calculated values are marked with *.

Delivery Variants

Available in other lengths, other nominal diameters, with customer-specific customer-specific imprint.

Disposal instructions

After use, the product must be disposed of in accordance with the legal regulations applicable in the user's region (in Germany in accordance with the applicable Waste Catalogue Ordinance (AVV)).

Individual consultation

We offer consultation by phone:
+49 209 97077-112

Product requests via
[masterflex.de/en](https://www.masterflex.de/en)

Address Headquarters

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