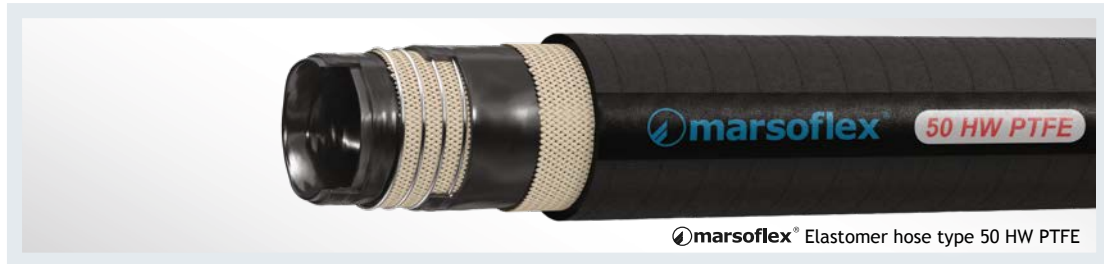


# PTFE elastomer hose

with conductive PTFE tube



Product name	marsoflex® Elastomer hose type 50 HW PTFE in accordance with EN 12115
Description	The marsoflex® Universal chemical hose type 50HW PTFE is a universally usable elastomer hose with a seamless, conductive inner layer of black PTFE. It can be used in the chemical, pharmaceutical and food industry.
Properties	<ul style="list-style-type: none"> <li>• Non-stick properties of PTFE</li> <li>• FDA-compliant</li> <li>• Usable in all Ex zones</li> </ul>
Hose tube	PTFE, black, smooth
Reinforcement	Synthetic fabric reinforcements, galvanized steel wire spirals
Hose cover	EPDM, black, smooth, fabric pattern, resistant to abrasion, ageing and ozone

Electrical properties	Tube: $R < 10^6 \Omega$ , cover: $R < 10^9 \Omega$ , passage: $R < 10^9 \Omega$
Temperature range	For operating temperatures from $-40 \text{ }^\circ\text{C}$ to $+150 \text{ }^\circ\text{C}$ (saturated steam) depending on medium and concentration
Hose cleaning	The smooth tube prevents the formation of dirt accumulations and can be easily cleaned
Hose resistance	Suitable for virtually any media, e.g. acids, alkaline solutions, oils, greases, alcohols and organic compounds. For further information, please refer to the marsoflex® resistance list

Order number	ID [mm]	OD [mm]	Max. operating pressure [bar (20 °C)]	Max. underpressure [bar (20 °C)]	Bursting pressure [bar (20 °C)]	Bending radius [mm]
50HW013	13	25	16	-0.9	64	90
50HW019	19	31	16	-0.9	64	130
50HW025	25	37	16	-0.9	64	170
50HW032	32	44	16	-0.9	64	215
50HW038	38	51	16	-0.9	64	255
50HW050	50	66	16	-0.9	64	330
50HW065	63	79	16	-0.9	64	430
50HW075	75	91	16	-0.9	64	510

The above stated values refer to the ambient temperature (20 °C); we recommend reducing the operating pressure by 20 % for each temperature increase of 100 °C.