



HOSE SELECTION
Abaque Peristaltic Pumps



Where Innovation Flows



mouvex.com

Pump with Confidence

ABAQUE™

PERISTALTIC HOSE PUMP



HDX80

Abaque™ Peristaltic (Hose) Pumps

With more than 20 years of experience pumping and transferring difficult chemicals and fluids, the Abaque Peristaltic Hose pump will handle your toughest pumping needs — from abrasive and aggressive to shear-sensitive and viscous fluids.

Durable & Rugged

The hose of a Peristaltic Hose pump is the only component that comes in contact with the pumped medium. Mouvex engineers hoses that are manufactured from high quality compounded rubber, reinforced by layers of nylon. Once constructed, the hose is then machined with precision for efficiency, accuracy, longevity, and optimal compression.

The Abaque pump's hoses are available in four materials of construction, all of which have been chosen because of their high levels of fatigue resistance:

- **Natural rubber:** Highly resilient with excellent abrasion resistance and strength.
- **Buna (NBR):** Highly wear resistant to oily products.
- **Buna (NBR) FDA:** For hygienic applications (FDA approved)
- **EPDM:** High chemical resistance, especially with concentrated acids, alcohols, and ketones.
- **Hypalon®:** High resistance to oxidants, as well as to concentrated bases and acids





Materials & Options

By choosing the proper hose material, operators can safely pump a wide range of fluids without the threat of leaks or spills. Dimensions of the Abaque hose are universal, allowing it to be fitted to most peristaltic hose pump brands available.

All Hoses have color-coded stickers for easy identification.

Material	Color Code	Max. Fluid Temperature	Working Pressure	Description
Natural Rubber (NR)	WHITE	80°C (175°F)	16 Bar (235 PSI)	Highly resilient, excellent abrasion resistance, the most common hose in peristaltic markets. Generally resistant with lightly corrosive chemical applications, abrasive slurries, etc.
Natural rubber ATEX (NR ATEX)	GREY	80°C (175°F)	16 Bar (235 PSI)	For applications where NR is needed in an ATEX environment.
Nitrile Buna Rubber (NBR)	YELLOW	80°C (175°F)	16 Bar (235 PSI)	Highly resistant to oily products, detergents, greases and alkalis. The inner liner is made of NBR and the cover is made of NR for the best mechanical resistance.
Nitrile Buna Rubber FDA Approved (NBR FDA)	BLUE	80°C (175°F)	16 Bar (235 PSI)	The inner liner is made of white NBR food grade approved for hygienic applications. The cover is made of NR for the best mechanical resistance.
Hypalon®	GREEN	80°C (175°F)	16 Bar (235 PSI)	For high corrosive products and very high concentrated acids. The inner liner is made of Hypalon and the cover is made of NR for the best mechanical resistance.
Ethylene Propylene Diene Monomer Rubber (EPDM)	RED	90°C (194°F)	16 Bar (235 PSI)	High chemical resistance with concentrated acids, corrosive chemicals, ketones. The inner liner is made of EPDM and the cover is made of NR for the best mechanical resistance.
Ethylene Propylene Diene Monomer Rubber ATEX (EPDM ATEX)	PURPLE	90°C (194°F)	16 Bar (235 PSI)	For application where EPDM is needed in an ATEX environment.

Technical Data



Model	Length mm (in)	Interior Diameter mm (in)	External Diameter mm (in)	Weight kg (lbs)
HD10	510 (20.08)	10 (0.39)	32 (1.26)	0.6 (1.3)
HD15	755 (29.72)	15.5 (0.59)	37 (1.46)	1 (2.3)
HD20	755 (29.72)	20 (0.79)	37 (1.46)	0.9 (2)
HD25	1,000 (39.37)	25 (0.98)	54 (2.13)	1.2 (2.7)
HD32	1,250 (49.21)	32 (1.26)	63 (2.48)	3.8 (8.3)
HD40	1,250 (49.21)	38 (1.5)	63 (2.48)	3.7 (8.5)
HDX40	1,500 (59.05)	40 (1.57)	67 (2.64)	4.8 (10.5)
HD50	1,820 (71.65)	50 (1.97)	80 (3.15)	7.6 (16.8)
HD65	1,820 (71.65)	60 (2.36)	87 (3.42)	8 (17.5)
HDX65	2,335 (91.93)	65 (2.56)	100 (3.94)	15.2 (33.5)
HDX80	2,335 (91.93)	80 (3.15)	115 (4.53)	17.4 (57)
HD80	2,780 (109.45)	80 (3.15)	123 (4.84)	25.8 (57)
HD100	3,275 (128.94)	100 (3.94)	144 (5.67)	38 (83.8)
HD125	3,850 (151.57)	125 (4.92)	168 (6.61)	45 (100)



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