

Abaque™

PERISTALTIC HOSE PUMPS | HOSE SELECTION



ABAQUE™
PERISTALTIC HOSE PUMP

Where Innovation Flows

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.

PUMP WITH CONFIDENCE



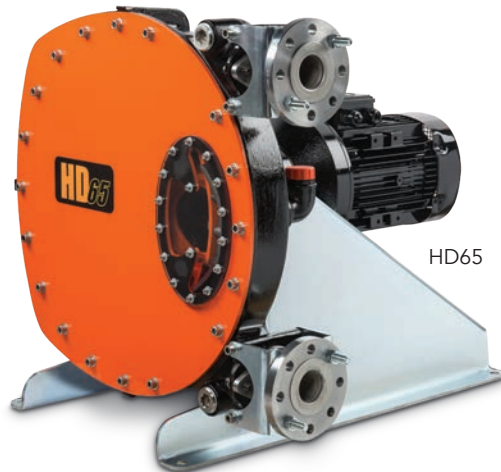
Abaque™ Peristaltic Hose Pumps

Durable & Rugged

The hose of a Peristaltic Hose pump is the only component that comes in contact with the pumped medium. Abaque 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



HD65



HD20



Abaque™ Peristaltic Hose Pumps | 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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