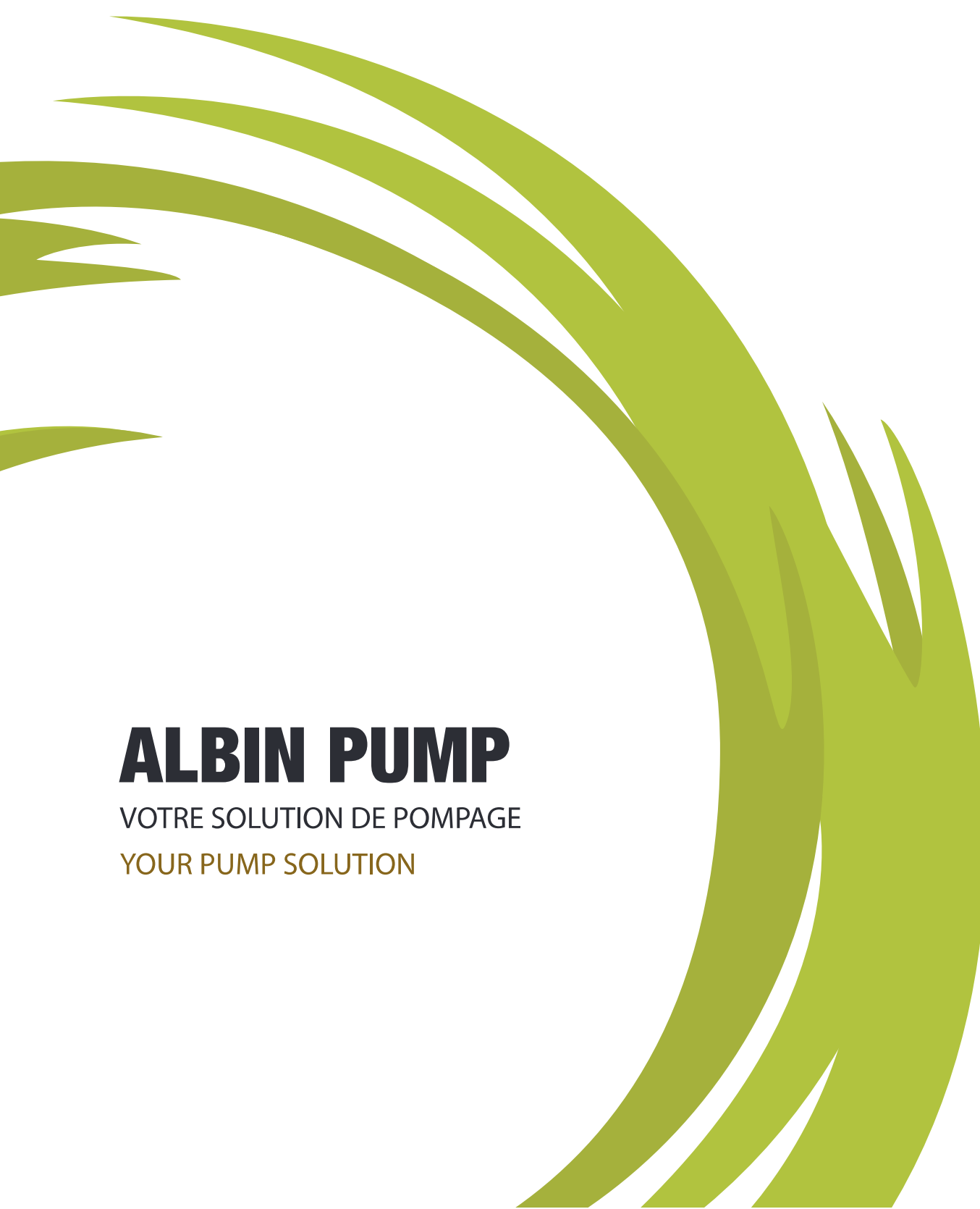


# **ALBIN PUMP**

VOTRE SOLUTION DE POMPAGE

YOUR PUMP SOLUTION



**ALH**

## LA POMPE PERISTALTIQUE HAUTE PRESSION THE HEAVY DUTY HOSE PUMP



### PRINCIPALES CARACTÉRISTIQUES

Plage de débit : 0,5 l/h à 150 m<sup>3</sup>/h  
 Pression de refoulement Max. : 15 bars  
 Sans garniture mécanique  
 Auto-amorçante jusqu'à - 9,8 m  
 Marche à sec sans dommage  
 Réversible  
 Pour liquide abrasif, corrosif,  
 visqueux, chargé et/ou fragile  
 Parfaitement volumétrique  
 Options : détecteur de rupture de tube,  
 amortisseur de pulsations,  
 pompe multi-tête, ATEX I & II, etc...

### MAIN FEATURES

Flow rate : 0,5 l/h up to 150 m<sup>3</sup>/h  
 Maximum outlet pressure : 15 bars  
 Without mechanical seal  
 Fully self-priming up to 9,8 m  
 Damage-free continuous dry running  
 Reversible flow  
 Suitable for aggressive or viscous fluids  
 with particles and/or shear sensitive  
 Perfect volumetric flow  
 Options : hose rupture detector,  
 multi-head pump, ATEX I & II, etc...

**ALP**

## LA POMPE DOSEUSE PÉRISTALTIQUE THE DOSING PERISTALTIC PUMP



### PRINCIPALES CARACTÉRISTIQUES

Plage de débit : 1 l/h à 10 m<sup>3</sup>/h  
 Pression de refoulement Max : 4 bars  
 Sans garniture mécanique  
 Auto-amorçante jusqu'à - 6 m  
 Marche à sec sans dommage  
 Réversible  
 Pour liquide abrasif, corrosif, visqueux,  
 chargé et/ou sensible au cisaillement  
 Parfaitement volumétrique  
 Corps Aluminium  
 Grande variété de tubes disponibles  
 Transfert du fluide par galets sans glycérine  
 Changement du tube rapide  
 Tube hygiénique

### MAIN FEATURES

Flow rate : 1l/h up to 10 m<sup>3</sup>/h  
 Maximum outlet pressure : 4 bars  
 Without mechanical seal  
 Fully self-priming up to - 6 m  
 Damage-free continuous dry running  
 Reversible flow  
 Suitable for aggressive or  
 viscous fluids and/or shear sensitive  
 Perfect volumetric flow  
 Aluminium bodies  
 Wide choice of tube materials  
 Fluid transfer is done with 2 rollers,  
 without glycerin, hygienic hose,  
 Quick hose replacement system

## LA POMPE PNEUMATIQUE INNOVANTE THE INNOVATIVE AOFD PUMP

**AD**



### PRINCIPALES CARACTÉRISTIQUES

Plage de débit : jusqu'à 30 m<sup>3</sup>/h  
Plage de pression : jusqu'à 7 bars  
Corps Aluminium ou Polypropylène  
(Version ATEX pour les 2 matériaux)  
Membranes PTFE  
Clapets plats en PEEK : pompe fonctionne dans toutes les positions, faibles pulsations, Vibrations et puissances sonores réduite  
Faible encombrement et poids réduit  
Auto-amorçante jusqu'à - 4 m (pompe sèche) et - 7 m (pompe humide)  
Marche à sec sans dommage  
Consommation d'air réduite

### MAIN FEATURES

Flow rate : up to 30 m<sup>3</sup>/h  
Pressure range : 7 bars  
Aluminium or Polypropylene bodies  
(ATEX conformity available for the 2 material)  
PTFE diaphragms  
Flat PEEK valves, the pump can run in every positions, low pulsations, Reduce vibrations and noise level  
Smart design compact construction  
Self priming up to - 4 m (dry) and - 7 m (wet)  
Low air consumption  
Damage-free continuous dry running

## LA POMPE À LOBES ROBUSTE THE TOUGH RUBBER LOBE PUMP

**MG**



### PRINCIPALES CARACTÉRISTIQUES

Plage de débit : jusqu'à 300 m<sup>3</sup>/h  
Pression de refoulement Max. : 5 bars  
Lobes NBR, VITON, EPDM ou PU  
Pour liquide visqueux et/ou chargé de particules jusqu'à 30 mm  
Collecteurs en cols de cygne avec/sans by-pass en option  
Différents montages possibles : hydraulique pour montage sur camion, thermique, bout d'arbre  
Étanchéité par joints avec graissage centralisé automatique

### MAIN FEATURES

Flow rate : up to 300 m<sup>3</sup>/h  
Max. outlet pressure : 5 bars  
VITON, NBR, EPDM or PU lobes  
Suitable for viscous fluids or with particles up to 30 mm  
Gooseneck collector (better self-priming capability) with/without by-pass as an option  
Various mounting available : Hydraulic for truck mounting, thermic, bare shaft  
Double lip seal with automatic centralized lubricator



## COMPANY AND PRODUCT OVERVIEW

*"Simply Reliable"*





# BETTER PERISTALTIC AND HOSE PUMP SOLUTIONS

Albin Pump is the expert in delivering peristaltic pumps that have been engineered with decades of industry experience to provide the performance, design simplicity and reliability our customers demand to achieve the lowest total cost of ownership.

Founded in 1928, Albin Pump is a leading manufacturer of electric peristaltic pumps, and is part of the Fluid sector of Ingersoll Rand® including premium brands such as: ARO®, Milton Roy®, Thomas®, Dosatron®, Haskel® and more.



## MARKETS AND APPLICATIONS



**Water/Wastewater** – Lime water, granular activated carbon (GAC), sodium hypochlorite, ferric chloride, sodium bisulfite, fluoride, polymers, aqueous ammonia, potassium, permanganate, caustic soda, and many more



**Mining/Quarries** – Sludge, viscous fluids, mud, clay, fluids with high solid content, light concrete, lead sulfate, pyrite, SABX, cyanide, various acids



**Chemical** – Corrosive acids and bases, latex, alcohol, soap, shampoo, cleaning agents, non aromatic solvents, chemical dosing, paint, water based paint, acrylics, pigments, ink, wall coating



**Food and Beverage** – Yeast, diatomaceous earth, egg white and yolk, fats, olive oil, wine, semolina, water and salt mixtures, natural flavorings, bakery dough/batter, cream, sugar mills, molasses, liquid sugar, liquid protein, syrups



**General and Other Industries** – Kaolin, pulp and paper waste sludge, manure, fertilizer, ceramic glaze, mold filling, titanium dioxide filter press feeding, building fibrous mortar, plaster, liquid cement



## PUMP BENEFITS

- ✓ Best total cost of ownership
- ✓ High quality with a longer hose life
- ✓ Faster and easier maintenance
- ✓ Better service
- ✓ Competitive lead time
- ✓ Attractive pricing
- ✓ Low shear
- ✓ Predictable performance with subsequent cost savings
- ✓ Available in many different sizes for flow rates up to 144m³/h (635 gpm)



## PUMP FEATURES

- ✓ Fully self-priming
- ✓ Damage-free continuous dry running
- ✓ No mechanical seal nor packing gland
- ✓ Suitable for abrasive, corrosive or viscous fluids
- ✓ Easy installation, operation and maintenance
- ✓ Reversible flow
- ✓ Low sound level
- ✓ Perfect volumetric flow
- ✓ Accurate and repeatable dosing and metering
- ✓ Long life and greater reliability
- ✓ Lowest cost of ownership
- ✓ Stainless steel screws



## HOSE FEATURES AND BENEFITS

- ✓ Highest quality compound rubber
- ✓ Long life material and structure with inner reinforcement layers
- ✓ Suitable for pressure up to 15 bar (220 psi)
- ✓ Available in 7 different rubber compounds and in 16 different sizes to fit most competitor pumps



## OUR PERISTALTIC PUMP RANGE

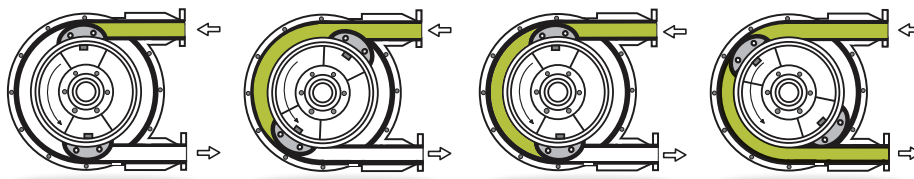
PUMP MODEL	MAX FLOW	RECOMMENDED FLOW RANGE	MAX PRESSURE	PUMP WEIGHT	PUMP CONNECTION
<b>ALH / High Pressure Hose Pump</b>					
ALH05-3	20,4 l/h (5 gph)	4,1 - 14,3 l/h (1-4 gph)	8 bar (115 psi)	25 kg (55 lb)	Hose tail Ø 16mm (5/8 in)
ALH10-3	70 l/h (18 gph)	12 - 42 l/h (3-11 gph)	10 bar (145 psi)	28 kg (62 lb)	Hose tail Ø 16 mm (5/8 in)
ALH10	180 l/h (48 gph)	18 - 90 l/h (5-24 gph)	10 bar (145 psi)	25 kg (55 lb)	Hose tail Ø 16 mm (5/8 in)
ALH15-3	420 l/h (111 gph)	42 - 147 l/h (11-39 gph)	10 bar (145 psi)	35 kg (77 lb)	Hose tail Ø 20 mm (7/8 in)
ALH15	600 l/h (159 gph)	60 - 315 l/h (16-83 gph)	10 bar (145 psi)	35 kg (77 lb)	Hose tail Ø 20 mm (7/8 in)
ALH20-3	670 l/h (177 gph)	71 - 291 l/h (19-77 gph)	10 bar (145 psi)	36 kg (79 lb)	Hose tail Ø 25 mm (1 in)
ALH20	1,020 l/h (269 gph)	102 - 535 l/h (27-141 gph)	10 bar (145 psi)	36 kg (79 lb)	Hose tail Ø 25 mm (1 in)
ALH25	2,2 m3/h (10 gpm)	0,3 - 1 m3/h (1,4-4,3 gpm)	15 bar (220 psi)	80 kg (176 lb)	Flange DN25/PN16 (1"/150#)
ALH32	5,3 m3/h (23 gpm)	0,8 - 2,3 m3/h (3,3-10 gpm)	15 bar (220 psi)	145 kg (320 lb)	Flange DN32/PN16 (1.25 in/150#)
ALH40	8,2 m3/h (36 gpm)	1,3 - 3,6 m3/h (5,2-15,7 gpm)	15 bar (220 psi)	145 kg (320 lb)	Flange DN40/PN16 (1.5 in/150#)
ALHX40	9,6 m3/h (42 gpm)	2 - 5 m3/h (8,8-22 gpm)	15 bar (220 psi)	210 kg (463 lb)	Flange DN40/PN16 (1.5 in/150#)
ALH50	15,8 m3/h (70 gpm)	3,5 - 10,3 m3/h (15-45 gpm)	15 bar (220 psi)	315 kg (694 lb)	Flange DN50/PN16 (2 in/150#)
ALH65	20,7 m3/h (91 gpm)	4,6 - 13,6 m3/h (20-60 gpm)	15 bar (220 psi)	335 kg (739 lb)	Flange DN65/PN16 (2.5 in/150#)
ALHX80	27,5 m3/h (121 gpm)	10,4 - 20,9 m3/h (46-92 gpm)	15 bar (220 psi)	700 kg (1543 lb)	Flange DN80/PN16 (3 in/150#)
ALH80	35 m3/h (154 gpm)	13,3 - 18,9 m3/h (59-83 gpm)	15 bar (220 psi)	970 kg (2138 lb)	Flange DN80/PN16 (3 in/150#)
ALH100	54 m3/h (238 gpm)	21,6 - 37,2 m3/h (95-164 gpm)	15 bar (220 psi)	1270 kg (2800 lb)	Flange DN100/PN16 (4 in/150#)
ALH125	88 m3/h (387 gpm)	44 - 83 m3/h (194-365 gpm)	15 bar (220 psi)	1800 kg (3968 lb)	Flange DN125/PN16 (5 in/150#)
<b>ALP / Low Pressure Tube Pump</b>					
ALP09N	140 l/h (37 gph)	14 - 70 l/h (4-18 gph)	4 bar (60 psi)	8 kg (18 lb)	Hose tail Ø 16mm (5/8 in)
ALP13N	348 l/h (92 gph)	34 - 171 l/h (9-45 gph)	4 bar (60 psi)	9 kg (20 lb)	Hose tail Ø 19 mm (3/4 in)
ALP17N	910 l/h (240 gph)	91 - 448 l/h (24-118 gph)	4 bar (60 psi)	15 kg (33 lb)	Hose tail Ø 25 mm (1 in)
ALP25N	2,71 m3/h (12 gpm)	0,3 - 1,7 m3/h (1-8 gpm)	4 bar (60 psi)	55 kg (121 lb)	Hose tail Ø 38 mm (1.5 in)
ALP30N	4,98 m3/h (22 gpm)	1 - 3,5 m3/h (4-15 gpm)	4 bar (60 psi)	97 kg (214 lb)	Hose tail Ø 45 mm (2 in)
ALP45N	13,9 m3/h (61 gpm)	2,3 - 8 m3/h (10-35 gpm)	4 bar (60 psi)	155 kg (342 lb)	Hose tail Ø 60 mm (2.5 in)

## EXAMPLE OF AVAILABLE OPTIONS

Duplex pump (dual pumps), special connection such as SMS, Tri-clamp, DIN, ANSI, JIS... Hose rupture detector and revolution counter, ATEX II & I execution, variable speed drive, mobile trolley and more.



## PUMP OPERATION



## APPLICATIONS



ALH125 crude oil pumping



ALP30N lime dosing



ALHX80 for filter press feeding



ALX150 and ALH125 for chemical dosing, mining process



## ALBIN PUMP® HOSES

The superior quality of Albin Pump® hoses is one key to our success but, more importantly, it is the key to your success in everyday applications.

Albin Pump® is always engaged with customers to provide quality hoses for superior performance in the market.

To reach that objective, Albin Pump® invests in high quality raw materials (which includes natural rubber) and in an engineered hose design to perfectly balance strength and elasticity.

The result of this effort is the Albin Pump® hose portfolio, which add premium performances and a life cycle up to 30% longer\* than competitive hoses.

### ALBIN PUMP® HOSE FEATURES

- ✓ Engineered design with varying inner reinforcement layers (from 2 to 6) of braided polyamide are selected based on hose material and size.
- ✓ Outer layer is vulcanized to strict tolerances to ensure perfect compression.
- ✓ Best quality raw materials create an engineered compound to combine optimum mechanical and chemical characteristics.
- ✓ External raw surface (hose is not re-machined after production) retains the lubrication film between the hose and shoe, reducing friction and heat generation to further extend hose life.
- ✓ Available in 7 different material compounds and 16 different sizes to cover a wide range of applications and pump sizes.
- ✓ Unique color code located on the hose to facilitate the material identification.

### ALBIN PUMP® HOSE COMPETITIVE ADVANTAGES

- ✓ Longer life: Up to 30% longer\* than competition due to design features listed above
- ✓ Able to handle shear-sensitive fluids with minimal wear
- ✓ Highly versatile
- ✓ Available in different lengths retrofittable with most major competitive pumps (Bredel™, Verderflex™, Abaque™ ...).
- ✓ Once retrofitted with an Albin Pump® hose, competitive pumps reduce their TCO (Total Cost of Ownership) thanks to an extended meantime between failures.

### LOW-PRESSURE TUBES FOR ALP PUMPS

Low-pressure tubes are available for Albin Pump® ALP Series in different materials and with different levels of reinforcement. In particular, we can divide low pressure tubes in two families:

- ✓ Non-reinforced tubes – used mainly for very low pressure transfer and dosing, can support fluid pressure up to 2 bar (30 PSI).
- ✓ Reinforced tubes – can support pressures up to 4 bar (60 PSI) and are more suitable for light industrial applications.













**Inner liner** – available in a variety of materials to ensure optimum life and compatibility

**Reinforcement layers (2 to 6)** – provides excellent hose life and ultimate performance




**Cover** – provides excellent chemical resistance and superior wear

**Stripe** – color coded to ease material identification

## ALBIN PUMP® HOSE OFFERINGS

										
<b>NR</b> <small>ALB NR - AT</small>	Natural Rubber (NR) can be considered a do-all material used in diverse applications; combines superior mechanical properties and provides good chemical compatibility (especially with water-based products and weak bases, acids, glycols, and ketones). Not recommended with hydrocarbons and oxidants in general.									75°C (167° F)
	✓	✓	✓	✓	✓	✓	✓	✓	✓	
<b>NBR</b> <small>ALH NBR - AT</small>	Nitrile Butadiene Rubber (NBR) is generally very good with natural and synthetic oils, petroleum-based fluids (non-aromatic). Mechanical properties are good, ranked behind NR.									75°C (167° F)
	✓		✓	✓	✓				✓	
<b>NBR FDA</b> <small>ALH NBR FDA - AT</small>	Food Grade NBR has the same characteristics as standard NBR, but is suitable for contact with food									75°C (167° F)
	✓					✓			✓	
<b>EPDM</b> <small>ALH EPDM - AT</small>	Ethylene Propylene Diene Monomer (EPDM) rubber has a very wide chemical compatibility for both acids and caustic applications, but is not recommended with hydrocarbons (aromatic or chlorinated) or oils (natural and synthetic). Mechanical properties are comparable to NBR.									85°C (185° F)
	✓	✓	✓	✓	✓		✓	✓	✓	
<b>HYPALON® /CSM</b> <small>ALH HYPALON /CSM - AT</small>	HYPALON®/CSM has an excellent chemical compatibility to seawater and brine, strong acids, and bases. Hypalon® is also strongly recommended with oxidants, hypochlorite, and alcohols. It is not recommended with hydrocarbons and aromatic solvents. Mechanical properties are very good just slightly less than Natural Rubber.									75°C (167° F)
	✓		✓		✓				✓	
<b>VITON® /FKM</b> <small>ALH VITON /FKM - AT</small>	VITON®/FKM, Viton® is a fluorinated synthetic rubber, it has the widest chemical compatibility among with the "rubber family". Can be used with strong acids and bases, aromatic solvents, hydrocarbons, and synthetic and natural oils. Viton® has a good resistance to high temperatures, but is not recommended to be used with abrasive or heavy duty applications due to its mean resistance to abrasion and average mechanical properties.									75°C (167° F)
	✓		✓		✓				✓	
<b>NR FDA</b> <small>ALH NR FDA - AT</small>	Food Grade Natural Rubber (NR) has the same characteristics as standard NR but is suitable for contact with food									75°C (167° F)
	✓					✓			✓	

Find below the characteristic of more relevant non-reinforced Albin Pump® tubes (for ALP only):

	Tygon® A-60-F: extremely flexible tubing resistant to a wide range of food product and detergents.
	Tygon® XL-60: transparent tubing and extremely flexible, resistant to a wide range of fluids, including acids and bases. Not recommended for photosensitive fluids.
	Silicone Rubber: transparent tubing with a smooth inner surface to reduce the risk of particulate entrapment. Silicone tubes can be sterilized with hot water, ethylene oxide, or acetic acid.

### Hoses Color Codes

Material	ALH High Pressure Hoses	ALP Reinforced Tubes
NR	One white stripe	One green stripe
NBR	One yellow stripe	One red stripe
NBR FDA	One white stripe and one yellow stripe	One white stripe and one red stripe
EPDM	One red stripe	One white stripe
CSM Hypalon®	One light blue stripe	One light blue stripe
FKM Viton®	One purple stripe	One purple stripe
NR FDA	FDA double white stripe	One white stripe and one green stripe

\*Relative to industry competition in comparable operating environments.



www.albinpump.com  
albinpump@irco.com

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