

DAE OPEN FLOW PUMPS

The superior quality of DAE Open Flow Pumps are one key to our success but, more importantly, it is the key to your success in everyday applications. DAE Pumps is always engaged with customers to provide quality hoses for superior performance in the market.

To reach that objective, DAE Pumps invests in high quality raw materials and in an engineered design to perfectly balance strength and elasticity. The result of this effort is the DAE Open Flow Pump portfolio, which add premium performances and a life cycle up to 30% longer* than the competition.

ODAE OPEN FLOW PUMP 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.

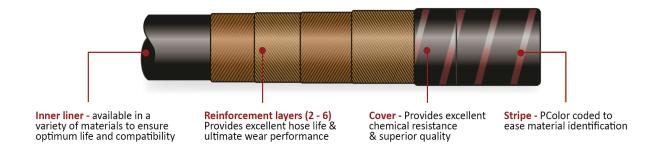
O DAE OPEN FLOW PUMPS COMPETITIVE ADVANTAGES

- ✓ 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.
- ✓ Once retrofitted with a DAE Open Flow Pumps, competitive pumps reduce their TCO (Total Cost of Ownership) thanks to an extended meantime between failures.

O LOW-PRESSURE TUBES FOR PEAK® PUMPS

Low-pressure tubes are available for DAE Open Flow Pumps in different materials and with different levels of reinforcement. We can divide low pressure tubes in two families:

- ✓ Non-reinforced tubes used mainly for very low pressure trans- fer and dosing, can support fluid pressure up to 30 PSI.
- ✓ Reinforced tubes can support pressures up to 60 PSI and are more suitable for light industrial applications.





O DAE PUMPS OPEN FLOW PUMP FITTINGS

	Water Treatment, Domestic & Industrial Waste	Ceramic Industry	Mining & Quarries	Building & Construction	Chemical	Food & Beverage	Paint	Pulp & Paper	Agricultural, Biogas & Fertilizer	Max Temp Range (for continuous duty operation)
NR ANDE GAREFUL WITH THE SHIMMIN	Natural Rubber (NR) can be considered a do-all material used in diverse applications; combines superior mechanical properties & provides good chemical compatibility (especially with water-based products & weak bases, acids, glycols, & ketones. Not recommended with hydrocarbons & oxidants in general.									
	✓	✓	✓	✓	✓	✓	✓	✓	✓	167° F
NBR	Nitrile Butadiene Rubber (NBR) is generally very good with natural and synthetic oils, petroleum-based fluids (non-aromatic). Mechanic- al properties are good, ranked behind NR.							16° F		
	√		✓	✓	✓				√	
NBR FDA	Food Grade NBF	Food Grade NBR has the same characteristics as standard NBR but is suitable for contact with food.								
EFUL WITH THE SHIMMING	✓					✓			✓	16° F
EPDM EEPOMAITENTION AL	Ethylene Propyle applications but Mechanical prop	is not recom	mended with	hydrocarbons (a						185° F
HYPALON /CSM	HYPALON*/CSM has an excellent chemical compatibility to seawater & brine, strong acids, & bases. Hypalon* is also strongly recommended with oxidants, hypochlorite, & alcohols. It is not recommended with hydrocarbons & aromatic solvents. Mechanical properties are very good just slightly less than Natural Rubber.						167° F			
VITON°/ FKM	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 & bases, aromatic solvents, hydrocarbons, synthetic & 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 & average mechanical properties.							'iton° has a	167° F	
	✓		✓		✓				✓	
NR FDA	Food Grade Natural Rubber (NR) has the same characteristics as standard NR but is suitable with contact with food.							167%		
	✓					✓			✓	167° F
ind below	the characteri	stic of mo	re relevant	non-reinforc	ed DAE Pu	mps tubes	(for PEAI	(®only):		L
	Tygon* A-60-F: extremely flexible tubing resistant to a wide range of food product and detergents.									
		, .		nsparent tubing commended for			sistant to a	wide range	of fluids, includ	ding acids
				ransparent tubir one tubes can b						



O HOSES COLOR CODES

Material	Crest® High Pressure Hoses	PEAK® 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 McLaren°	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.

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