ELGIN

Progressive Cavity Feed Pumps

Improved Maintenance

Full drive train, including stator, rotor, rod, and seal can be removed in minutes without electrically disconnecting the pump. Maintenance can be conducted in a matter of minutes, instead of hours.

Constant Parameters

Continuous low-pulsation conveyance unaffected by fluctuations in pressure and viscosity.

Extended Life

Due to the low running speeds of the pump, there is a significant reduction in equipment wear.

Easy to Service

No special tools are required, as the pump can be serviced with only a wrench and an allen key.

Split Coupling

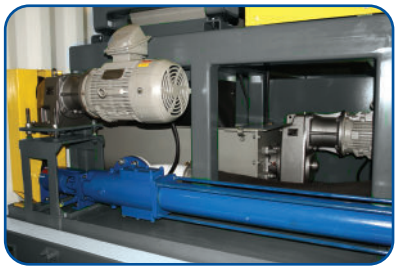
The split coupling body provides a quick and easy way to disassemble and maintain the pump.

Elgin can supply a variety of custom-configured progressive-cavity feed pumps.

KTPC-NM063-P101

KTPC-NM090-P101

To ensure a well-balanced feed, with consistent feed pressure, Elgin can supply a variety of custom-configured progressive-cavity feed pumps ("PC pumps"). PC pumps can improve the centrifuge performance, extend the life of a centrifuge, and reduce overall operations and maintenance costs when properly operated.



Elgin PC pump packages can be supplied in a variety of skid configurations (i.e. wide field skid and narrow plant skid), as a mechanically-variable gearbox or a direct gearbox with inverter-duty, VFD-driven motor, and a variety of motor installation configurations (i.e. in-line, offset, and "piggy-back").

Elgin's PC pumps are mated with a premium gearbox and premium, continuous duty, energy-efficient, explosion-proof motor (non-explosion proof motors are for applications requiring UL or CSA certification for hazardous locations.

Pump Models:	KTPC-NM063-P101	KTPC-NM090-P101
Capacity:	200 gpm (12.62 lps)	400 gpm (25 lps)
S.G.:	1.2	1.2
Suction:	Flooded	Flooded
Viscosity:	600 cP	600 cP
Delivery:	50 psi (3.4 bars)	50 psi (3.4 bars)
NPSH(r):	8.2 ft (2.5m)	11.5 ft (3.5m)
Variation of above information **may** affect pump duty point, drive kW/ rpm or selected pump materials.		

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Materials of Construction		
Pump:	KTPC-NM063-P101	KTPC-NM090-P101
Casing:	Cast Iron	Cast Iron
Drive Mechanism:	Coupling Rod-AISI420 Chrome Steel	Coupling Rod-AISI420 Chrome Steel
Stator:	Nitrile Rubber	Nitrile Rubber
Drive Shaft:	Stainless Steel	Stainless Steel
Seal:	Mechanical Seal	Mechanical Seal
Rotor:	Stainless Steel VCP	Stainless Steel VCP
Paint Finish:	Epoxy Power-Coat	Epoxy Power-Coat
Solids Handling:	Soft 1.7'' (50mm), Hard 0.6'' (12.5mm)	Soft 2.1'' (73mm), Hard 0.6'' (12.5mm)
Coupling:	Bare Shaft	Bare Shaft
Plumbing Connections:	Discharge: 3'' (76mm) Suction: 4'' (101mm)	Discharge: 3'' (76mm) Suction: 4'' (101mm)

Drive / Electrical Specifications		
Pump:	KTPC-NM063-P101	KTPC-NM090-P101
Suggested Power:	7.5 hp	20 hp
Starting Method:	Mechanically-Variable or ''VFD-Driven'' Drive	Mechanically-Variable or ''VFD-Driven'' Drive
Drive Type:	Nord™ Gearbox with Siemens™ Motor or equal	Nord™ Gearbox with Siemens™ Motor or equal
Electricity Supply:	460V/60Hz or 380V/50Hz	460V/60Hz or 380V/50Hz
Motor Speed:	1,750 rpm	1,750 rpm
Pump Speed:	356 rpm	308 rpm
Run Dry Protection Sensors	Available Upon Request	Available Upon Request
Anti-Con Heaters:	Available Upon Request	Available Upon Request
Thermistors:	Available Upon Request	Available Upon Request

Elgin's progressive cavity pumps can be fitted with 'Run Dry Protection' and 'Pressure Relief Valve' system interlocks designed to protect from catastrophic failure during operation.


Optional Flow Rate Control Dial


Flanged Camlock Inlet Valve


Flanged Camlock Outlet Valve

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