

# Pump Assemblies

## For Additive & Dye Applications

**MARKET**

Energy Infrastructure

**AVAILABLE**

Worldwide

**Chemtec Pump Assemblies** can be used in a wide variety of additive and dye applications. Pump assemblies include all necessary valves and fittings. Pump racks are fabricated from structural steel and then hot dip galvanized or painted. Every completed pump assembly is then fluid-tested to ensure proper fit and operation.

**KEY DESIGN FEATURES**

- Completely assembled, plumbed & wired
- Standard flow rates from 2-32 GPM (9-145 LPM)
- Single pump or dual (redundant) pump
- Racks are galvanized or painted white
- Combination starter/breaker, single or dual
- Fittings package includes Ful-flo pressure relief, isolation ball valves, pressure gauge(s), tubing, and associated components
- Optional pressure switch with auto failover for dual pump configuration
- Threaded connections (standard), socket welded pipe (optional)



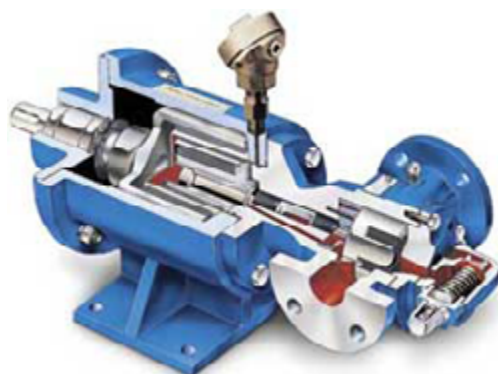
Chemtec Dual Pump Assembly with Viking Mag-Drive Pumps

Pump Mode	Pump Size		Standard Motor Size	Inlet Connection	Strainer	Outlet Connection	Bypass Valve
	GPM	LPM					
550	2	7.5	1 HP, 230/460 50//60hz., 3 Phase	1/2"	1"	1/2"	1"
510	4	15	1 HP, 230/460 50//60hz., 3 Phase	1/2"	1"	1/2"	1"
519	7.6	28	2 HP, 230/460 50//60hz., 3 Phase	3/4"	1"	3/4"	1"
528	11.2	42	2 HP, 230/460 50//60hz., 3 Phase	3/4"	1"	3/4"	1"
722	16	60	3 HP, 230/460 50//60hz., 3 Phase	1-1/2"	1"	1-1/4"	1"

**Capacities based on nominal speed:** 1725 rpm for 60hz. And 1425 rpm for 50hz., and will be lower at full load. Other motor speeds are available, price on application. Pump capacities are nominal for viscosity minimum of 100 SSU (20 cSt) and 25psi 9Kg/cm2), and will vary with viscosity and system pressures.

**Chemtec Energy Services Pump Assemblies**

**The Viking Mag Drive®** series of sealless internal gear pumps eliminate the possibility of shaft leakage by eliminating the seal. The driver turns an outer magnet, whose force passes through a hermetically sealed canister to inner magnets, which in turn drive the pump shaft. Mag drive pumps are used wherever leakage is a problem, such as acids, volatile organic chemicals, or toxic fluids.



**Viking Mag-Drive Pump**



**Explosion-proof Starter/Breakers include:**

- On/Off Main Disconnect
- Hand-Off-Auto Switches (Pump A & Pump B)
- Run Light (Pump A & Pump B)
- Reset (Pump A & Pump B)

**Product Ordering**

Mode Number	# of Pumps	Mounting Configuration	Assembly	Motor Voltage and Phase	Starter Breaker	Alternating Relay	Pressure Switch
550	1 - Single Pump	CM - Channel Mount	0 - Threaded	0 - 115/230 VAC, 1 Phase	0 - No	0 - No	0 - No
510	2 - Dual Pumps	RM - Rack Mount	1 - Socket Welded	1 - 230/460 VAC, 3 Phase	1 - Yes	1 - Yes	1 - Yes
519							
528							
722							

**Example:** 519 dual pump skid, rack mount, threaded, 230/460 VAC, 3 phase, w/Starter breaker, with alternating relay, with pressure switch (i.e. 519-2-RM-0-1-1-1-1)