

# 12-Volt Magnetic Clutches

Pulley-Driven Clutches for Rotating Equipment

*Flowserve magnetic clutches quickly deliver torque to industrial and commercial rotating equipment such as pumps and compressors.*



## Minimal Effort, Zero Waste

*Flowserve magnetic clutches smoothly, quickly and efficiently deliver torque to industrial and commercial rotating equipment such as pumps and compressors. When activated by a 12-Volt DC signal, the pulley-driven magnetic clutch engages and drives the shaft of the rotating equipment. One-hundred percent of the torque is transferred to the shaft. Clutches provide up to 17 kW (23 hp) at speeds to 4000 rpm. Three models – Magni-Clutch MC, Heavy Duty MCH2 and Universal MCU – are available to suit application requirements. These magnetic clutches allow motor, power take-off (PTO) and hydraulic power systems to be freed for other applications.*

### Applications

- Air conditioners
- Bilge pumps
- Agricultural spray pumps
- Irrigation pumps
- Centrifugal pumps
- Air compressors
- Industrial pedestal pumps
- Street sweepers
- Carpet cleaners

### Features and Benefits

**Efficient Power and High Torque Transmission**

**Mounts** directly on shaft

**Adapters** for mounting to housings of centrifugal pumps are standard

**Interchangeable Pulleys** range from 127 mm to 330 mm (5 in to 13 in)

**Sealed, Radial Ball Bearings** are standard on all models

**Adaptable** to ACE, FMC and HYPRO pumps



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## Pulley-Driven Clutches for Rotating Equipment

### Specifications

Model	Magni-Clutch	Heavy Duty MCH2	Universal MCU
Torque	13 ft / lbs	30 ft / lbs	30 ft / lbs
Horsepower	10	23	23
RPM	4000	4000	4000
Amperes @ 112V DC	1.8	2	2
Width on Shaft	1-1/2" to 2"	1-1/2" to 2"	1-1/2" to 2"
Straight Shaft Diameters	5/8"	5/8", 3/4" and 1" Metric Available	5/8", 3/4" and 1" Metric Available
Pulley Size	5"	5" to 13" Changeable	5" to 13" Changeable
Bearing	Single Radial Sealed Ball Bearing	Single Radial Sealed Ball Bearing	Two Radial Sealed Ball Bearings
Mounting	Adapter for Mount to Housing of Centrifugal Pumps	Adapter for Mount to Housing of Centrifugal Pumps	Mounts Directly to Straight Shaft by Key and Set Screw

\* Metric sizes available upon request

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