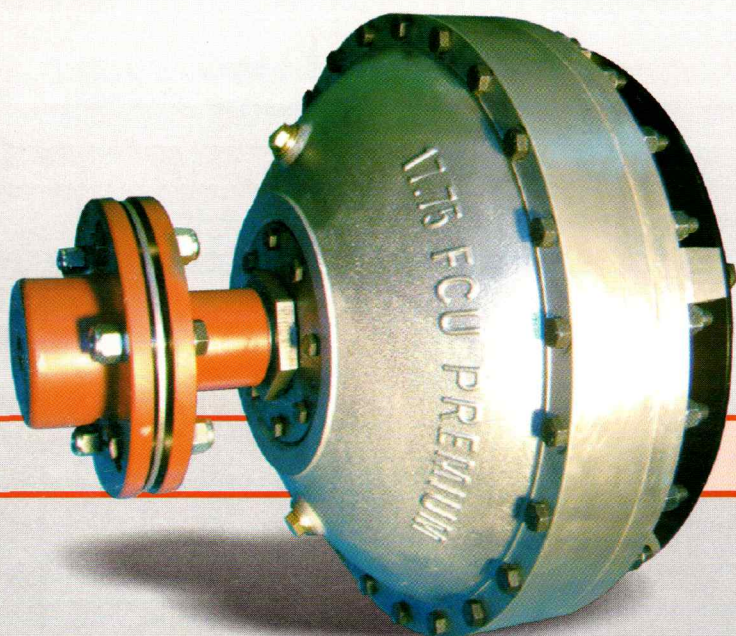




PREMIUM



CONSTANT FILLING FLUID COUPLINGS

TYPE FCU Size 8 to 41

The type FCU fluid coupling when used in conjunction with fixed speed motor will give the motor a light-load start, provide smooth acceleration and ensure overload protection for the motor and driven machine. Using a fluid coupling in the drive-line often makes it possible to employ a smaller motor, because the fluid coupling will allow the motor to run quickly up to speed, where its overload capacity may be used for starting the machine.

Starting or stalling torque may be determined precisely by selection of the initial oil filling. Further adjustment to suit drive requirements may easily be made at site. The type FCU fluid coupling is a compact, rugged unit, the major components being aluminium alloy castings. It comprises the basic fluid coupling, diaphragm input mounting and multi disc type semi-flexible coupling on the output side. Bores and keyways may be finished to suit customers' requirements.

Fusible plugs are fitted to all except the smaller model fluid couplings to provide protection against excess temperature rise should the motor overload trip fail to operate during stall or overload conditions. Vertical applications can be catered for in most sizes.

Units are available in sixteen sizes, covering ratings from 0.1 kW to 1000 kW. See selection chart overleaf.

Some of the typical applications include :

- Bell Conveyors
- Barking Drums
- Chain Conveyors
- Hammer Mills
- Mixers and Agitators
- Rotary Dryers
- Crushers
- Centrifuges
- Haulages
- Reciprocating Pumps
- Ball Mills
- Marine Transmission
- Cranes
- Winches