



THE MULTIFUNCTIONAL BÜCHI MAGNETIC DRIVES WITH INTEGRATED ELECTROMOTOR



«CYCLONE 075» AND «CYCLONE 150» - THE COMPACT AGITATOR DRIVES FOR ALL AUTOCLAVES

The new agitator drives are based on our successful magnetic drives «bmd 075» and «bmd 150» which have no visible rotating parts. The «cyclone» range was developed for a wide variety of laboratory applications.

The «cyclone» is equipped with a motor, which is combined with a magnetic drive into a hermetically sealed unit. The external magnet and the internal magnet are virtually connected through the strong magnetic field. The external magnet is located outside, the internal magnet inside the pressure chamber. The internal magnet is mounted to the stirrer shaft and rotates simultaneously with the motor driven external magnet.

CONTROL UNIT

The speed is adjusted by turning a knob on the control box. The motor is protected through a thermal overload breaker respectively by protective motor switch.

OPTION : Instrument with measurement and display of rpm «bds sc sm»

PROCESS CONNECTION

The standard unit is designed for pressure up to 100 bar (1450 psig). Higher design pressure on request.

Several designs are available to mount the «cyclone» on a reaction vessel:

STANDARD : «cyclone 075» male thread M36 x 1.5 or NS 29/32 conical joint.
«cyclone 150» male thread M36 x 1.5

OPTION : Other customer specified threads or joints on request.

MATERIAL

All wetted parts are made of stainless steel:
1.4435 (316L) / 1.4571 (316Ti)

OPTION : Hastelloy, Titanium, etc.

TECHNICAL DATA

	«cyclone 075»	«cyclone 150»
Dimensions drive mm:	A=252; B=69	A=440; B=115
Mains supply:	230V; single phase	230V; single phase
Motor:	24V; DC; 80W	230V; AC; 400W
Continuous torque:	18 Ncm; (1,6 in-lb)	100 Ncm; (9 in-lb)
max. torque:	75 Ncm; (7 in-lb)	150 Ncm; (13 in-lb)
rpm stepless:	50 – 3000	50 – 2000
Protection/class:	IP 54	IP 54

