

Overhead Stirrers, Heidolph

Electronic stirrers Hei-TORQUE series – powerful stirring

General Properties

- Newest motor generation for maximum power at minimum noise level - below 50 db
- The intuitive touch-panel made of glass for easy operation
- Sealed housing, which complies with the high protection class IP 54, guarantees longevity and maintenance-free 24-hour operation in an aggressive environment
- Reduce process times by utilizing unique VISCO JET® impellers for mixing gels and other challenging media with ease
- Safe start and stop of operation via slide touch panel to avoid unintended stirring
- The sealed panel made of glass and the magnetic Smart-Knob further increase the tightness of the entire housing
- An overtemperature sensor prevents heat-up situations particularly valuable in unattended continuous operation

Hei-TORQUE Value 100/200

These stirrers are ideal for standard stirring tasks. They are designed to mix and disperse media that require non-reproducible results in high-viscosity applications.

- Indication of torque tendencies to monitor viscosity changes
- Digital 2.4" display for ease of operation
- Constant speed even under changing loads
- Safe start and stop of operation via slide touch panel to avoid unintended stirring
- Newest motor generation for maximum power at minimum noise level
- Torque maximum 100 Ncm resp. 200 Ncm

Hei-TORQUE Value 400

Includes all Hei-TORQUE Value 100/200

Features, plus:

- A 2-gear stage design guarantees highest power over the entire speed range
- Torque maximum 400 Ncm

Hei-TORQUE Precision 100/200

These stirrers are ideal for demanding tasks which have to be reproducible and documentable. The huge number of additional features and operation modes allows for a perfect adjustment to your individual application.

- Accurate torque indication shows any viscosity changes
- Constant speed even under changing loads
- Digital 3.2" display for ease of operation:
 - Allows for pre-programmed profiles
 - Saves these profiles in memory
 - Interval operation
 - Watch rpm and torque graph life
 - Timer / Countdown / Real time settings
- Newest motor generation provides maximum power at minimum noise level
- Safe start and stop of operation via slide touch panel to avoid unintended stirring
- RS232 or USB interface to save all process data in a digital file
- Torque maximum 100 Ncm resp. 200 Ncm

Hei-TORQUE Precision 400

Includes all Hei-TORQUE Precision 100/200

Features, plus:

- A 2-gear stage design guarantees highest power over the entire speed range
- Torque maximum 400 Ncm



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Type	Rating W	Speed range 1/min	Torque max. N/cm	Display speed	Order No.
① Hei-TORQUE Value 100	90	10–2000	100	digital	10 41 16101
Hei-TORQUE Value 200	120	10–2000	200	digital	10 41 16201
② Hei-TORQUE Value 400	150	I 10–400 II 200–2000	400	digital	10 41 16401
Hei-TORQUE Precision 100	90	10–2000	100	digital	10 41 16102
Hei-TORQUE Precision 200	120	10–2000	200	digital	10 41 16202
③ Hei-TORQUE Precision 400	150	I 10–400 II 200–2000	400	digital	10 41 16402

Accessories

Article	Order No.
Universal stand S2 425 × 420 mm (W × D), Ø stand tube 25 mm, stand tube length 700 mm	51 41 01200
Universal stand S2XXL 425 × 420 mm (W × D), Ø stand tube 25 mm, stand tube length 1000 mm	10 41 01220
④ Telescopic stand 425 × 420 mm (W × D), Ø stand tube 32 mm, Height 725 – 1025 mm	10 41 02100
⑤ Stand clamp Clamping range 13 to 32 mm	51 41 02200
Stirring shaft guard for Hei-TORQUE Plexiglas (PMMA), height adjustable	10 41 90810
Collet chuck 10.5 for Hei-TORQUE Clamping range 0.5 to 10.5 mm	10 41 90240

Stirring system VISCO JET®

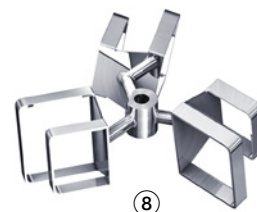
Worldwide the only impeller capable of completely mixing larger quantities of high-viscosity liquids and gels.

Principle of Functionality:

The unique VISCO JET® Mixing System is the result of the so-called cone-principle. Turbulent flows are created at the taper end by acceleration, displacement and retardation. These flows advance through the stirred medium and result in the new dynamic mixing motion.

Your Advantage:

- One system for literally all mixing tasks for low to high viscosity media
- Patented cone-principle creates even at low speeds a turbulent flow which is unique to the inoJET®
- Even with high-viscosity media and gels which naturally do not mix by using common impellers you will observe an immediate flow through the entire beaker
- This technology allows for de-gassing of gels while preventing air intake and foaming
- Reduce your process times significantly while performing the best mixing result ever



Type	Material	Ø mm	for container Ø mm	Wave length mm	Speed range 1/min	Order No.
VISCO JET® 60 mm	V4A	60	80–150	500	200–800	51 41 16060
VISCO JET® 80 mm	V4A	80	115–200	500	200–700	51 41 16080
⑥ VISCO JET® 80 mm	POM	80	115–200	500	200–700	51 41 16081
⑦ VISCO JET® 120 mm	V4A	120	170–300	500	120–500	51 41 16120
VISCO JET® 120 mm	POM	120	170–300	500	120–500	51 41 16121
VISCO JET® CRACK 80 mm	V4A	80	115–200	500	200–700	10 41 17080
⑧ VISCO JET® CRACK 120 mm	V4A	120	170–300	500	120–500	10 41 17120

POM = Polyoxymethylene

