MULTIQUIP

Concrete Vibrators

Flex-shaft, high-cycle and Micon computer-controlled

www.multiquip.com

Flex-shaft concrete vibrators

Multiquip flex-shaft concrete vibrators are designed to work in medium to high-slump concrete. Typical applications include small pours, slabs driveways, stem walls and footings. Our complete product line-up enables you to build the ideal vibrator assembly for your application.

- **Electric Vibrator Motors** – Choose from 1HP, 2HP or 3HP models. Universal motors allow operation at either 50 or 60Hz and selected models are available in 240V configurations.
- **Gasoline-Powered Vibrator Motors** – Ergonomically designed backpack vibrator allows convenient operation of steel or rubber heads. Stationary vibrator motors are designed with swivel mounts for improved mobility around the job site.
- **Flexible Shafts** – Eight different shaft lengths are available ranging in size from 2- to 21-feet.
- **Steel Vibrator Heads** – Seven different models available in diameters ranging from ⅞" to 2⅝".
- **Rubber Vibrator Heads** - Four different rubber head models range in size from 1⅞" to 2¾" are ideal for high production work and epoxy coated rebar.
- **Quick-Disconnect Coupler** makes setup on the job site fast and easy.

Model BP25H
"Backpack" motor
2.1 HP Honda engine

Shaft and head sold separately.

- **Ergonomic design** with swivel shaft connection.
- **Compatible with entire range of steel heads and all rubber heads** except 2¾" long type rubber head.
- **Quick disconnect knob** for easy shaft removal
- **Powered by 2.1HP Honda 4-stroke engine** with gear reduction for more torque than direct-drive models.

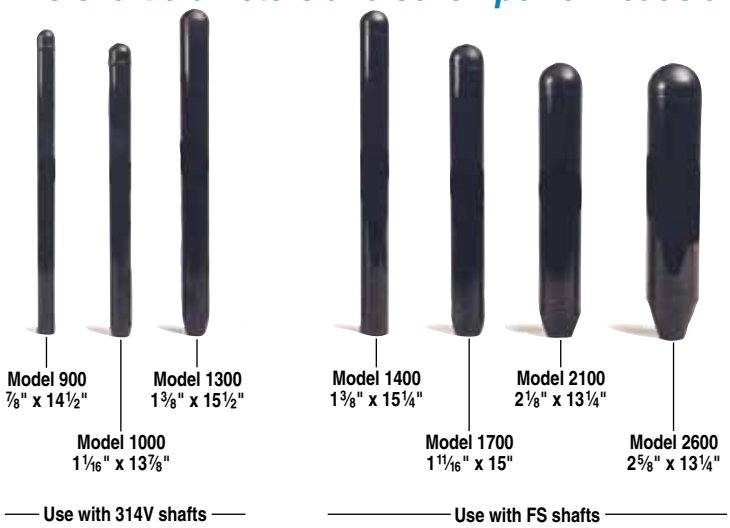
Gasoline Drive Motor

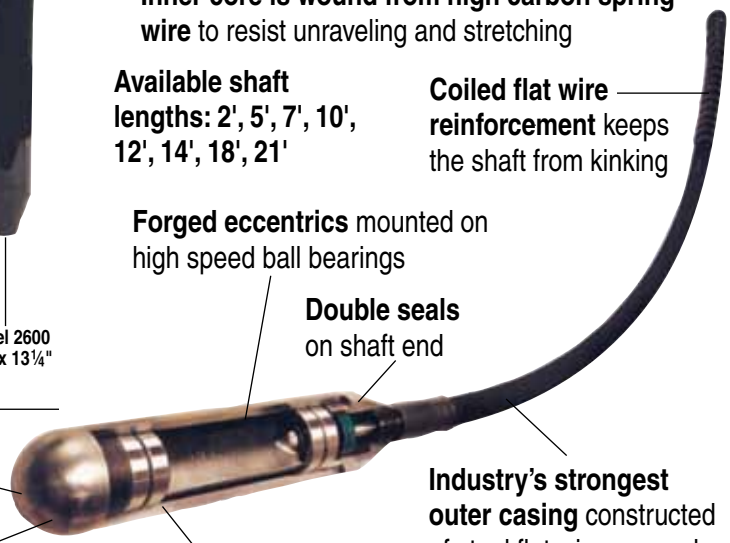
G55H Vibrator Motor

- **Ideal for work in remote areas**
- **Honda 4.8 HP engine.**
- **Swivel mount** offers 360° rotation

There's a size and model for every application...

Two shaft diameters and seven power heads allow you to match the equipment to the job.





Inner core is wound from high carbon spring wire to resist unraveling and stretching

Available shaft lengths: 2', 5', 7', 10', 12', 14', 18', 21'

Coiled flat wire reinforcement keeps the shaft from kinking

Forged eccentrics mounted on high speed ball bearings

Double seals on shaft end

Round head radiates vibrations in all directions

Case hardened tip for extra durability

Extra thick shell (up to 0.280") resists wear

Industry's strongest outer casing constructed of steel flat wire covered by alternating layers of wire mesh, fabric and rubber

Large vibration isolated handles protect the motor and operator

Quick disconnect knob for easy shaft removal

Flow-through ventilation reduces contamination by taking in air from the rear of the motor

Cassette-style motor improves durability and performance by minimizing friction and enabling the motor to maintain optimum RPM. Models range from 1 to 3 HP.

Flex-shaft concrete vibrators — Specifications

Electric Drive Motors

Model	Amps	Voltage/Frequency	HP (kW)**	RPM	Weight	Required Shaft
CV1*	10	120v 50/60 Hz	1 (1.2)	16,000	11 (5)	314V
CV2*	15	120v 50/60 Hz	2 (1.8)	18,000	13 (6)	FS
CV2E*	7.5	240v 50/60 Hz	2 (1.8)	18,000	13 (6)	FS
CV3*	20	120v 50/60 Hz	3 (2.4)	19,250	14 (6)	FS
CV3E*	10	240v 50/60 Hz	3 (2.4)	19,250	14 (6)	FS

Gasoline Drive Motors

Model	Engine	Engine Type	HP (kW)**	Fuel Capacity gal. (l)	Weight lb. (kg)	Required Shaft
G55H*	Honda GX-160	4-Stroke	4.8 (3.6)	.95 (3.6)	74 (33)	FS
BP25H*‡	Honda	4-Stroke	2.1 (1.6)	.16 (0.6)	24 (11)	FS

‡ BP25H should not be used with shafts less than 10 ft. in length.

Vibrator Heads

Model	Head Type	Diameter in. (mm)	Length in. (cm)	Weight lb. (kg)	Required Shaft	Required Drive Motor
900HD	Steel	⅞ (22)	14½ (37)	2.1 (1)	314V	CV1
1000HD	Steel	1 1/16 (27)	13⅞ (35)	2.8 (1.3)	314V	CV1
1300HD	Steel	1⅜ (35)	15½ (39)	5.1 (2.3)	314V	CV1
1400HD	Steel	1⅜ (35)	15¼ (39)	5.2 (2.4)	FS	BP25H, CV2, CV3, G55H
1700HD	Steel	1 11/16 (43)	15 (38)	6.4 (2.9)	FS	BP25H, CV2, CV3, G55H
2100HD	Steel	2⅛ (54)	13¼ (34)	9.4 (4.3)	FS	BP25H, CV2, CV3, G55H
2600HD	Steel	2⅝ (67)	13¼ (34)	13.4 (6.1)	FS	BP25H, CV3, G55H

314V-Series Flexible Shafts

Requires CV1 Drive Motors

Model	Length ft. (m)	Weight lb. (kg)
314V2	2 (0.6)	3 (1.3)
314V5	5 (1.5)	5 (2.4)
314V7	7 (2.1)	6 (2.9)
314V10	10 (3)	9 (4.0)
314V12	12 (3.7)	10 (4.8)
314V14	14 (4.3)	11 (5.1)
314V18	18 (5.5)	15 (6.9)
314V21	21 (6.4)	18 (8.3)

FS-Series Flexible Shafts

Requires BP25H, CV2, CV3, G55H Drive Motors

Model	Length ft. (m)	Weight lb. (kg)
FS3	3 (0.9)	5 (2.3)
FS5	5 (1.5)	8 (3.8)
FS7	7 (2.1)	11 (5)
FS10	10 (3)	16 (7.2)
FS12	12 (3.7)	18 (8)
FS14	14 (4.3)	20 (9)
FS18	18 (5.5)	24 (10.8)
FS21	21 (6.4)	28 (12.7)

Accessories

CS1.....Carrying Strap
CON-SM.....Adapts CV-Motors to Mikasa ESV and ESW flexible shafts
CON-MS382V.....Adapts Mikasa Motors to FS flexible shafts
CON-MS314V.....Adapts Mikasa Motors to 314V flexible shafts
13785-501 .....FS Ball bearing quick disconnect
13883-501 .....Shaft coupler for extending 382V shafts (maximum total length not to exceed 35 feet)
FSC .....Shaft coupler for extending FS shafts (maximum total length not to exceed 35 feet)

Maximum Shaft Lengths

Model	Shaft	Head/Model	Max. Shaft Length ft.
CV1/BP25H	314V	900HD 1000HD 1300HD	21
CV2/BP25H	FS	1400HD 1700HD	28
CV2/BP25H	FS	2100HD	21
CV3/BP25H/ G55H	FS	1400HD 1700HD 2100HD 3600HD	35***

*Notes:
CV1 — Includes quick disconnect coupler (p/n 36249) and spindle (29957-001) for 314V flexible shafts.

CV2(E), CV3(E), BP25H, G55H — Includes quick disconnect coupler (p/n 36248) and spindle (25013-001) for FS flexible shafts.

** Engine power ratings are calculated by the individual engine manufacturer and the rating method may vary among engine manufacturers. Multiquip Inc. and its subsidiary companies makes no claim, representation or warranty as to the power rating of the engine on this equipment and disclaims any responsibility or liability of any kind whatsoever with respect to the accuracy of the engine power rating. Users are advised to consult the engine manufacturer's owners manual and its website for specific information regarding the engine power rating.

**** Requires shaft coupler for FS (p/n FSC)*