

Dispermill X-Proof FR075



Laboratory Dissolver

The Dispermill X-Proof FR075 is designed to operate in potentially explosive atmospheres. The design is not only about safety but also about usability and performance. The height is easily adjustable with the ergonomic lever in combination with the counterweight. Besides, the dissolver is equipped with a control panel that is comfortable to operate and a clear blue screen for readout of the RPM. The powerful motor maintains its selected speed, independent of changes in viscosity and this guarantees an optimum dispersion process.

SAFETY FIRST

Your safety is very important to us. That's why we developed safety interlocks for vessel detection and operation height. So you can focus on your activities without being worried about any hazards. The X-Proof FR075 meets the latest ATEX safety requirements.



FEATURES

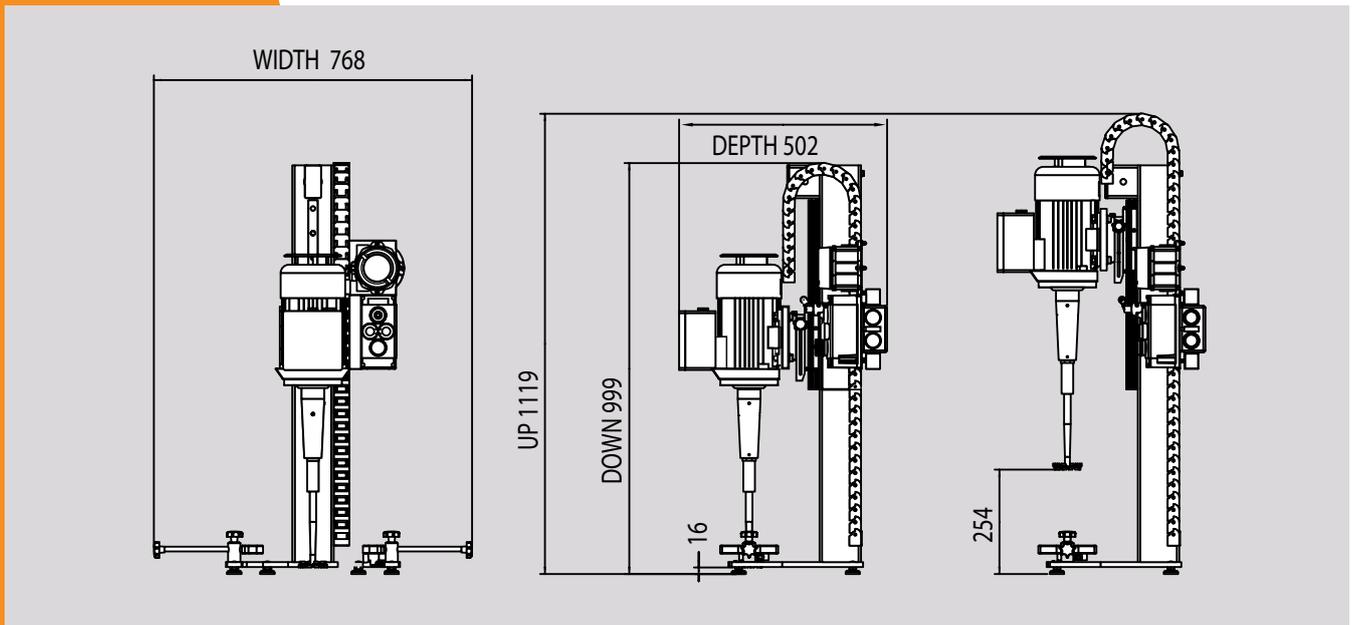
- ✓ Clear blue display for readout RPM
- ✓ Timer 1 min - 120 min with auto stop (optional)
- ✓ ABB Electronics
- ✓ Stainless steel design
- ✓ 70 mm dispersing disc included

X-Proof FR075

0,75 kW, 250 - 5.200 RPM, 250 ml - 8 L

Order code

10-1047



TECHNICAL SPECIFICATIONS

Power	0,75 kW / 1 HP
Supply	400 V +/- 10% 50/60Hz, 16 Ampere
Speed	250 till 5.200 RPM
Thermal protection	PTC Temperature sensors
Volume range vessel	250 ml - 8L
Diameter vessel	70 - 235 mm (min. - max.)
Height vessel	75 - 240 mm (min. - max.)
Dispersing disc	70 mm (interchangeable)
Dimensions (in mm)	502 x 768 x 999/1119 (D x W x H)
Weight	+/- 65 KG
Readout	True shaft speed on clear blue display
Protection class	 II2G IIB T3
Safety CE	Conformity Directive 2006/42/EC
Electrical cabinet	Dimensions: 500 x 400 x 210 mm. Requires placement outside of ATEX zone.

OPTIONS



Dual spindle clamping
(+031)

- +015 Power readout in kW
- +011 Mechanical timer with automatic stop (120 min)

Dispermill X-Proof FR150



Laboratory Dissolver

The Dispermill X-Proof FR150 is designed to operate in potentially explosive atmospheres. The design is not only about safety but also about usability and performance. The height is easily adjustable with the ergonomic lever in combination with the counterweight. Besides, the dissolver is equipped with a control panel that is comfortable to operate and a clear blue screen for readout of the RPM. The powerful motor maintains its selected speed, independent of changes in viscosity and this guarantees an optimum dispersion process.

SAFETY FIRST

Your safety is very important to us. That's why we developed safety interlocks for vessel detection and operation height. So you can focus on your activities without being worried about any hazards. The X-Proof FR150 meets the latest ATEX safety requirements.



FEATURES

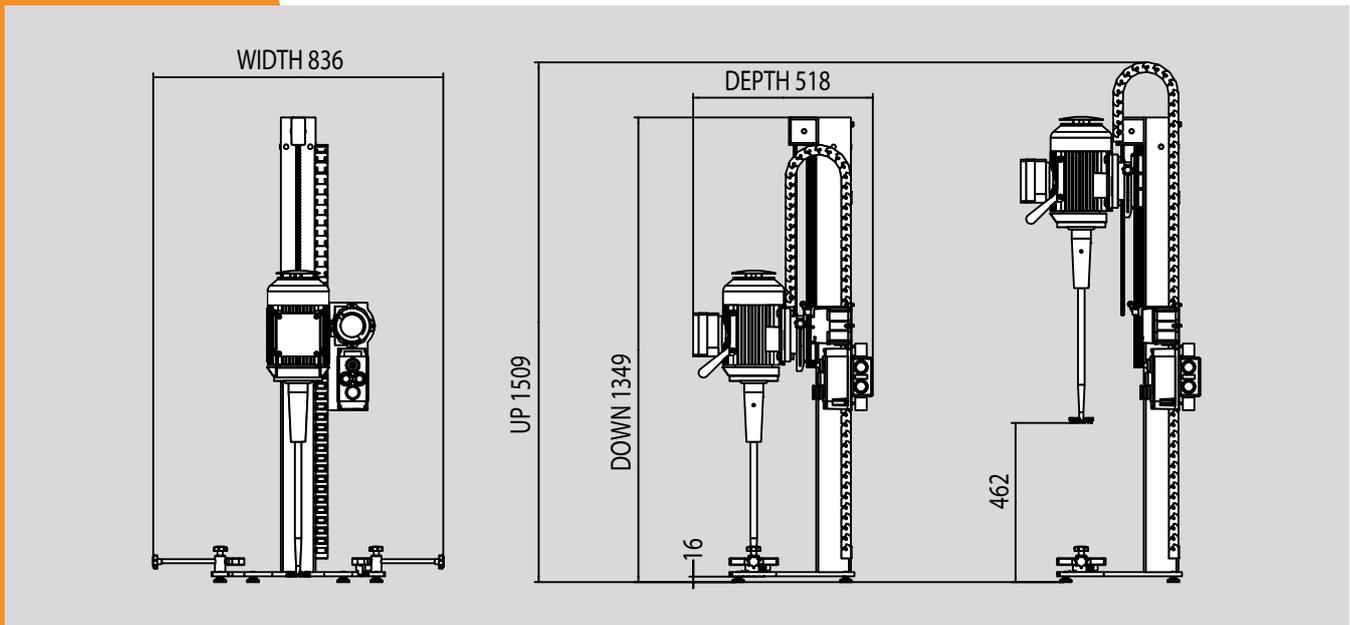
- ✓ Clear blue display for readout RPM
- ✓ Timer 1 min - 120 min with auto stop (optional)
- ✓ ABB Electronics
- ✓ Stainless steel design
- ✓ 90 mm dispersing disc included

X-Proof FR150

1,5 kW, 250 - 4.000 RPM, 1 - 25L

Order code

10-1048



TECHNICAL SPECIFICATIONS

Power	1,5 kW / 2 HP
Supply	400 V +/- 10% 50/60Hz, 16 Ampere
Speed	250 till 4.000 RPM
Thermal protection	PTC Temperature sensors
Volume range vessel	1L - 25L
Diameter vessel	70 - 305 mm (min. - max.)
Height vessel	75 - 450 mm (min. - max.)
Dispersing disc	90 mm (interchangeable)
Dimensions (in mm)	518 x 836 x 1349/1509 (D x W x H)
Weight	+/- 70 KG
Readout	True shaft speed on clear blue display
Protection class	 II2G IIB T3
Safety CE	Conformity Directive 2006/42/EC
Electrical cabinet	Dimensions: 500 x 400 x 210 mm. Requires placement outside of ATEX zone.

OPTIONS



Dual spindle clamping
(+031)

- +015 Power readout in kW
- +011 Mechanical timer with automatic stop (120 min)

Dispermill X-Proof FR220



Laboratory Dissolver

The Dispermill X-Proof FR220 is designed to operate in potentially explosive atmospheres. The design is not only about safety but also about usability and performance. The height is easily adjustable with the ergonomic lever in combination with the counterweight. Besides, the dissolver is equipped with a control panel that is comfortable to operate and a clear blue screen for readout of the RPM. The powerful motor maintains its selected speed, independent of changes in viscosity and this guarantees an optimum dispersion process.

SAFETY FIRST

Your safety is very important to us. That's why we developed safety interlocks for vessel detection and operation height. So you can focus on your activities without being worried about any hazards. The X-Proof FR220 meets the latest ATEX safety requirements.



FEATURES

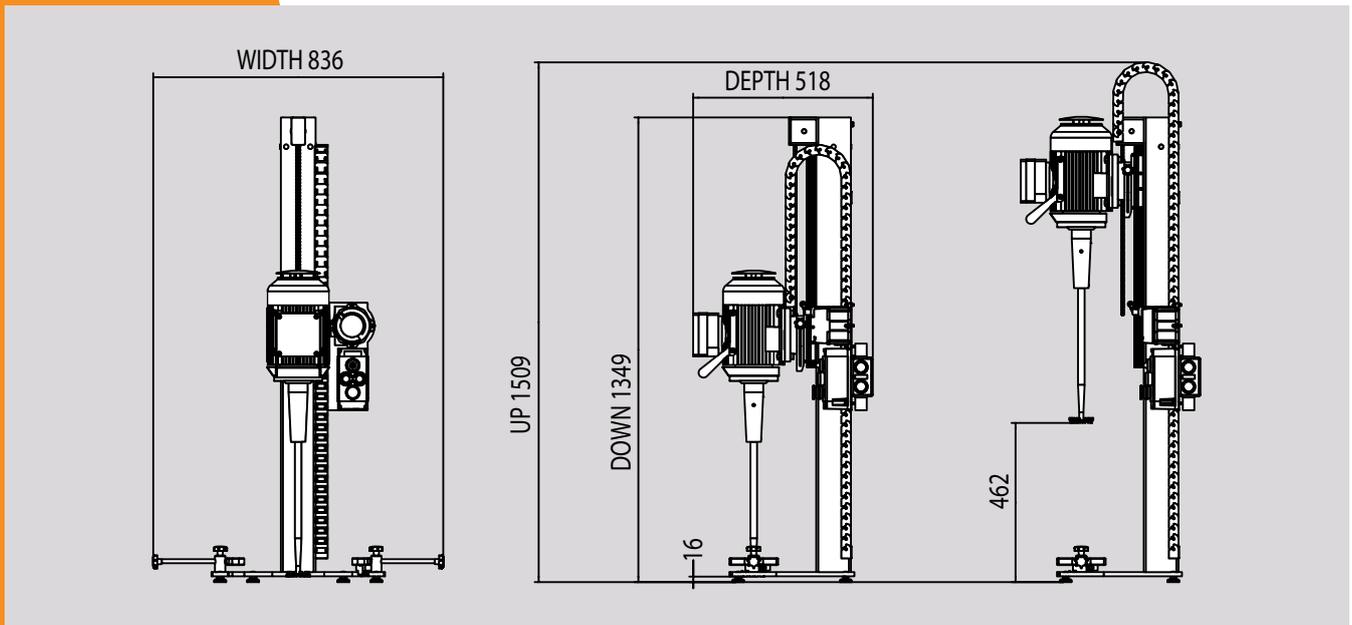
- ✓ Clear blue display for readout RPM
- ✓ Timer 1 min - 120 min with auto stop (optional)
- ✓ ABB Electronics
- ✓ Stainless steel design
- ✓ 90 mm dispersing disc included

X-Proof FR220

2,2 kW, 250 - 4.000 RPM, 1 - 25L

Order code

10-1046



TECHNICAL SPECIFICATIONS

Power	2,2 kW / 3 HP
Supply	400 V +/- 10% 50/60Hz, 16 Ampere
Speed	250 till 4.000 RPM
Thermal protection	PTC Temperature sensors
Volume range vessel	1L - 25L
Diameter vessel	70 - 305 mm (min. - max.)
Height vessel	75 - 450 mm (min. - max.)
Dispersing disc	90 mm (interchangeable)
Dimensions (in mm)	518 x 836 x 1349/1509 (D x W x H)
Weight	+/- 70 KG
Readout	True shaft speed on clear blue display
Protection class	 II2G IIB T3
Safety CE	Conformity Directive 2006/42/EC
Electrical cabinet	Dimensions: 500 x 400 x 210 mm. Requires placement outside of ATEX zone.

OPTIONS



Dual spindle clamping
(+031)

- +015 Power readout in kW
- +011 Mechanical timer with automatic stop (120 min)

Dispermill X-Proof HX220

Ex Pilot Dissolver

The Dispermill X-Proof HX220 is designed for the bigger laboratory research and development projects and pilot plants. The H-shaped floor stand ensures stability on the dissolver and the counterweight provides a balance that eases to move the machine up and down with the ergonomic lever. The powerful motor maintains its selected speed, independent of changes in viscosity. This guarantees optimum performance for your dissolving process. Besides, the stainless steel design is easy to maintain.

SAFETY FIRST

Your safety is very important to us. Safety interlocks for vessel detection and operation height are developed to ensure that no hazardous situations occur. This means that you can focus on your activities without being worried. The X-Proof HX220 is designed to operate in potentially explosive atmospheres.

APPLICATION

The Dispermill X-Proof HX220 fills the gap between the laboratory and the production dissolvers. Do you need a bigger testing sample or a smaller production batch and a machine that operates in potentially explosive atmospheres? That's where the Dispermill X-Proof HX220 comes in.

FEATURES

- ✓ Speed control by frequency inverter
- ✓ Digital speed readout
- ✓ Separate electronic cabinet
- ✓ Vessel clamping system
- ✓ 5 m cable between dissolver and electric cabinet included (other length on request)
- ✓ 125 mm dispersing disc included

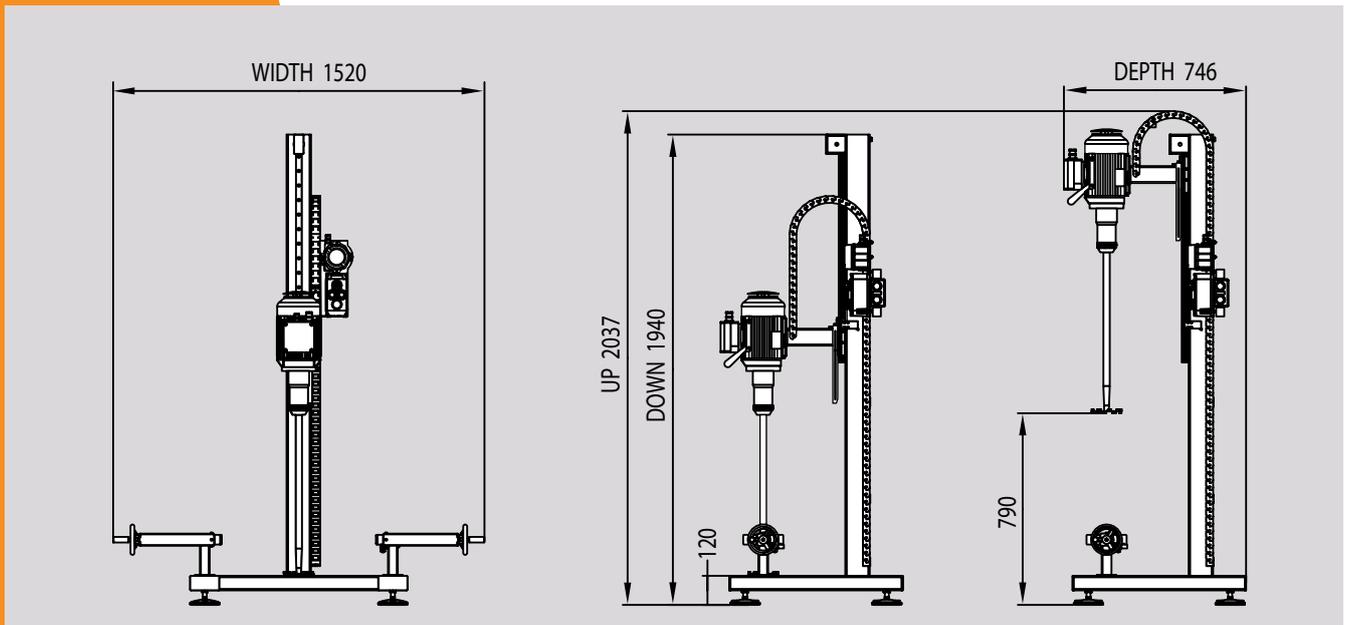


Dispermill X-Proof HX220

2.2 kW, 0 - 4.000 RPM, 15 L - 150 L

Order code

10-1065

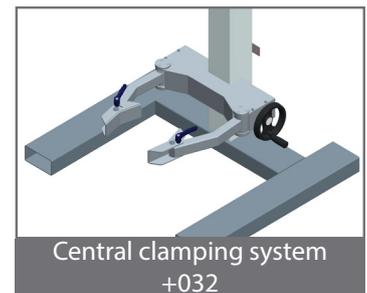
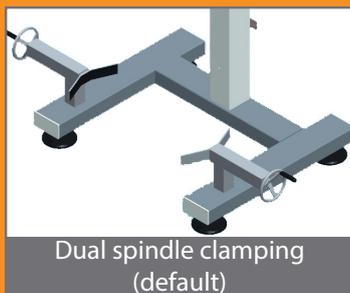


TECHNICAL SPECIFICATIONS

Power	2,2kW / 3 HP
Supply	400V +/- 10% 50/60 Hz, 16 Ampere
Protection class	 II 2G IIB T3
Speed	0 till 4.000 RPM
Thermal protection	PTC Temperature sensors
Volume range vessel	15 - 150 L
Diameter vessel	150 - 630 mm (min. - max.) ¹
Height vessel	300 - 780 mm (min. - max.)
Dispersing disc	125 mm (interchangeable)
Dimensions (in mm)	746 x 1520 x 1940/2036 (D x W x H)
Weight	+/- 170 KG
Readout	True shaft speed on clear blue display
Safety CE	Conformity Directive 2006/42/EC
Electrical cabinet	Dimensions: 500 x 400 x 210 mm. Requires placement outside of ATEX zone.

¹In combination with default clamping system

OPTIONS



- +015 Power readout in kW
- +011 Mechanical timer with automatic stop 120 min
- +050 Vessel cover systems (on request)

Dispermill X-Proof HX400

Ex Pilot Dissolver

The Dispermill X-Proof HX400 is designed for the bigger laboratory research and development projects and pilot plants. The H-shaped floor stand ensures stability on the dissolver and the counterweight provides a balance that eases to move the machine up and down with the ergonomic lever. The powerful motor maintains its selected speed, independent of changes in viscosity. This guarantees optimum performance for your dissolving process. Besides, the stainless steel design is easy to maintain.

SAFETY FIRST

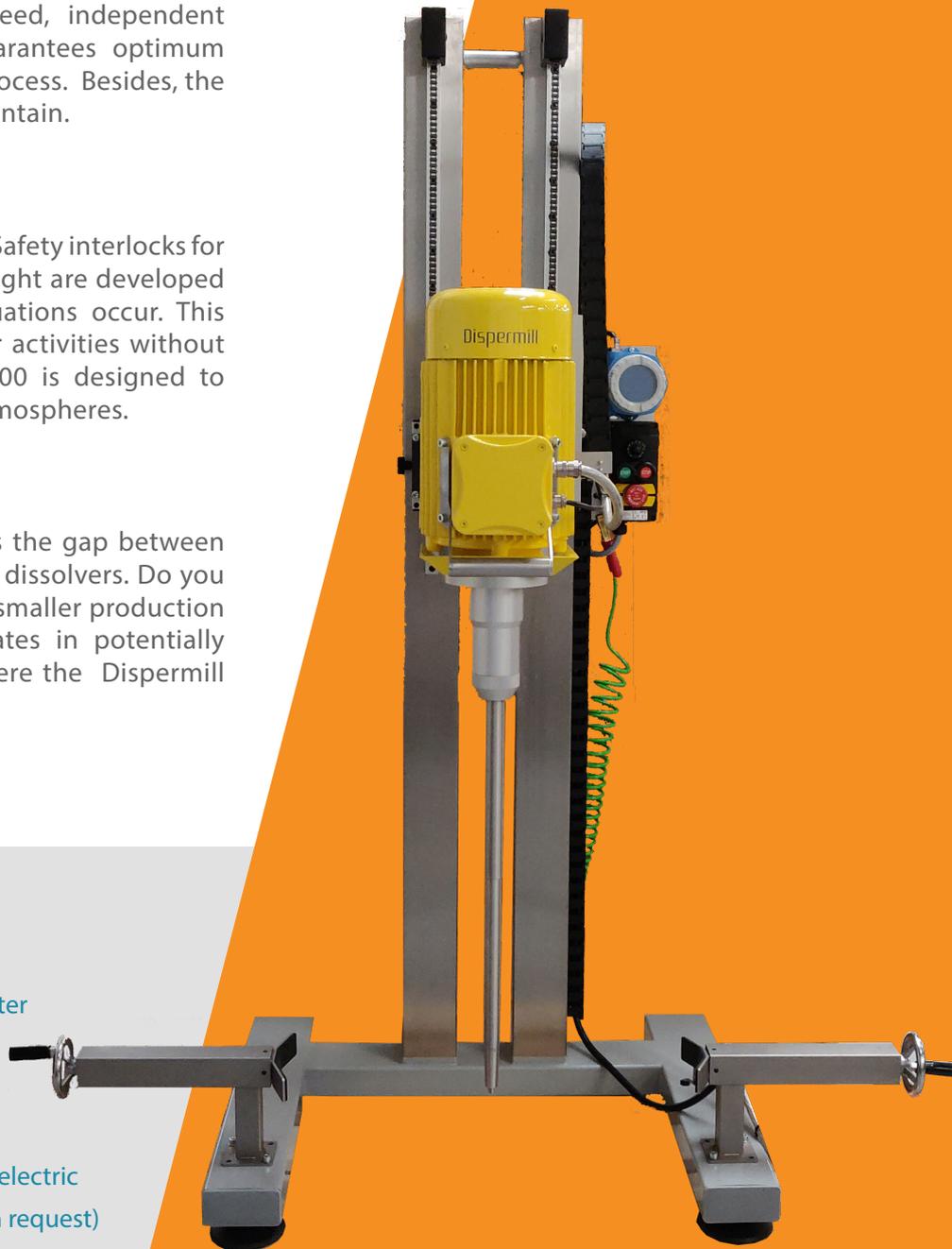
Your safety is very important to us. Safety interlocks for vessel detection and operation height are developed to ensure that no hazardous situations occur. This means that you can focus on your activities without being worried. The X-Proof HX400 is designed to operate in potentially explosive atmospheres.

APPLICATION

The Dispermill X-Proof HX-400 fills the gap between the laboratory and the production dissolvers. Do you need a bigger testing sample or a smaller production batch and a machine that operates in potentially explosive atmospheres? That's where the Dispermill X-Proof HX400 comes in.

FEATURES

- ✓ Speed control by frequency inverter
- ✓ Digital speed readout
- ✓ Separate electronic cabinet
- ✓ Vessel clamping system
- ✓ 5 m cable between dissolver and electric cabinet included (other length on request)
- ✓ 150 mm dispersing disc included

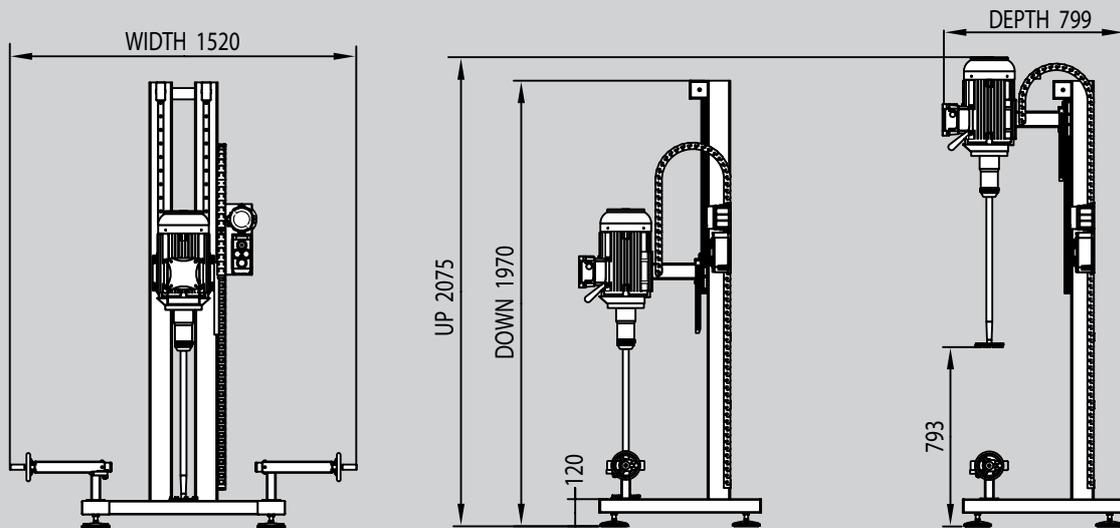


Dispermill X-Proof HX400

4.0 kW, 0 - 4.000 RPM, 15 L - 150 L

Order code

10-1102



TECHNICAL SPECIFICATIONS

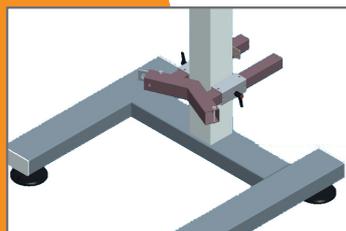
Power	4,0kW / 5 HP
Supply	400 V +/- 10% 50/60 Hz, 16 Ampere
Protection class	 II 2G IIB T3
Speed	0 till 4.000 RPM
Thermal protection	PTC Temperature sensors
Volume range vessel	15 - 150 L
Diameter vessel	150 - 630 mm (min. - max.) ¹
Height vessel	300 - 780 mm (min. - max.)
Dispersing disc	150 mm (interchangeable)
Dimensions (in mm)	799 x 1520 x 1970/2075 (D x W x H)
Weight	+/- 170 KG
Readout	True shaft speed on clear blue display
Safety CE	Conformity Directive 2006/42/EC
Electrical cabinet	Dimensions: 500 x 400 x 210 mm. Requires placement outside of ATEX zone.

¹In combination with default clamping system

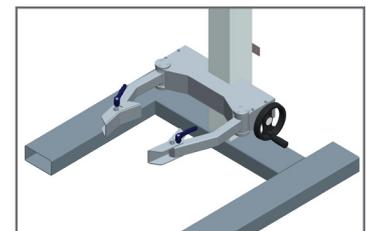
OPTIONS



Dual spindle clamping
(default)



Belt clamping system
+033



Central clamping system
+032

- +015 Power readout in kW
- +011 Mechanical timer with automatic stop 120 min
- +050 Vessel cover systems (on request)