

NEMO[®] BT Immersible Pumps

WITH INTEGRAL MOUNTING PLATE

NEMO[®] Immersible Pumps are used to empty barrels, containers, tanks, sedimentation tanks, pits etc. and where space is restricted, a risk of cavitation exists or there is very low NPSHa. These pumps are also used to empty containers holding materials that are hazardous to water or the environment for which standard emptying via a flange on the bottom of the container is not permitted. Choose these pumps for products with a very high viscosity as there is no need for a suction pipeline. The conveying elements (rotor and stator) are fully immersed in the product.

Features

- Integral mounting plate and horizontal discharge connection above the mounting plate.
- Immersion depth up to 33 ft / 10 m depending on pump size and speed.
- Compact design with vertical discharge connection through the mounting plate is available.
- Immersion depth can be modified: extending the pump housing, adding a suction pipe or a combination of both.
- Various designs / immersion variations are available.
- Immersion depth can be adjusted as needed, per application.
- Self-centering, support guides are available to secure the pump to the bottom or to the wall of the tank that secure the pump suction without clamps or bolts.
- Compact design with directly flanged drive.
- Four rotor/stator geometries for optimum performance.
- Available in heated double jacket design.

Additional information

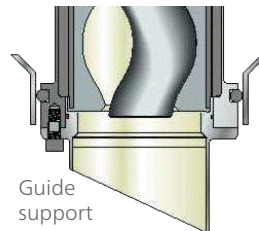
NEMO[®] PCP Brochure 305

Your benefits

- Capacity up to 616 gpm / 140 m³/h
- Pressures up to 360 psi / 24 bar
- Easy removal of the pump from a full tank

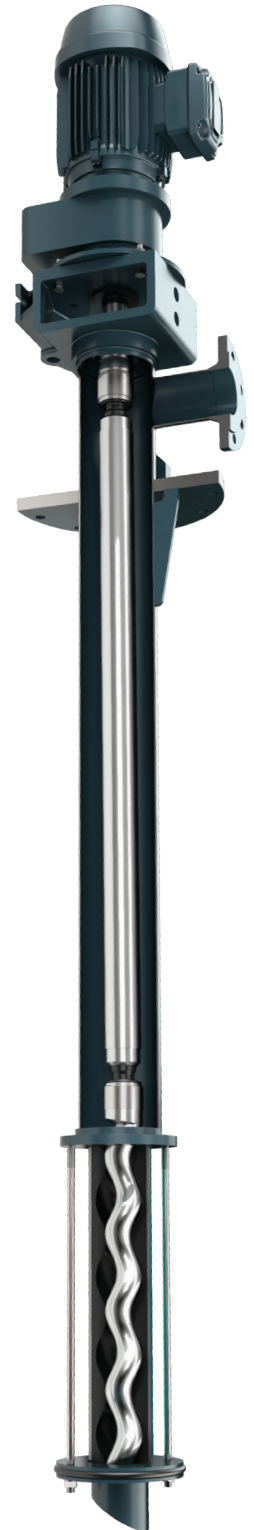
Main applications

- Closed pits, tanks, and containers where it is possible to vertically flange mount the pump to the tank lid
- Product is piped to the outside vertically through the lid, via 90-degree elbow or horizontally through the tank wall



Accessories

- Bottom guide support
- Wall guide support
- Easy to remove from full tank since the guide units are self-centering and secure the pump



NEMO[®] BT Immersible Pump with suspension bracket

NEMO® BT Immersible Pumps with integral mounting plate

Flow rates up to 616 gpm / 140 m³/h at pressures up to 360 psi / 24 bar.
Special designs for up to 1,000 psi / 68 bar

NEMO® BT Immersible Pumps

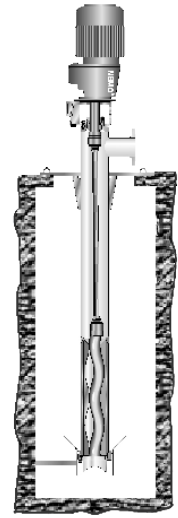
Pump Models	Flow Rate (GPM/100 rpm)		Max Particle Size (inches / mm)	Max Solids Size (inches / mm)
	02S	01L		
NM015 BT 02S12 / 01L06	0.26	0.50	.08 / 2.0	.35 / 9.0
NM021 BT 02S12 / 01L06	0.73	1.42	.12 / 3.0	.47 / 12.0
NM031 BT 02S12 / 01L06	2.06	4.06	.18 / 4.5	.71 / 18.0
NM038 BT 02S12 / 01L06	5.78	11.39	.28 / 7.0	1.1 / 28.0
NM045 BT 02S14 / 01L07	9.71	19.42	.33 / 8.5	1.38 / 35.0
NM053 BT 02S14 / 01L07	16.27	32.54	.40 / 10.0	1.61 / 41.0
NM063 BT 02S14 / 01L07	27.44	54.88	.50 / 12.5	2.0 / 50.0
NM076 BT 02S14 / 01L07	46.01	92.02	.60 / 15.0	2.4 / 61.0
NM090 BT 02S14 / 01L07	77.27	154.55	.71 / 18.0	2.9 / 73.0
NM105 BT 02S14 / 01L07	129.55	259.10	.83 / 21.0	3.31 / 84.0
NM125 BT 02S14 / 01L07	217.85	435.89	1 / 25	3.93 / 100
NM148 BT 02S14 / 01L07	365.71	731.42	1.14 / 29	4.65 / 118
NM180 BT 01L07	-	1103	1.42 / 36	5.66 / 144

Options for BT pumps

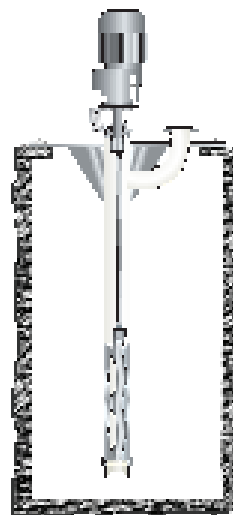
- Range of shaft sealing systems planned in accordance with API 682; seal sizes in accordance with API 610
- Systems for monitoring conveying pressure
- Dry running protection units
- Safety valves
- Electrical control systems
- Bypass lines
- Application-specific baseplates
- Wide variety of drive systems



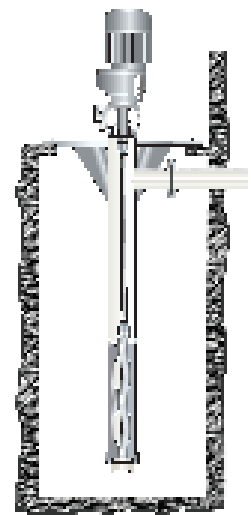
- Discharge flange above the mounting plate
- Includes bottom guide support



- Discharge flange above the mounting plate
- Includes wall-mounted guide support



- Compact design
- Minimized dead space
- Discharge flange integrated or through the mounting plate
- Bottom or wall mounted guide support is available (not shown)



- Compact design
- Minimized dead space
- Discharge flange below the mounting plate
- Bottom or wall mounted guide support is available (not shown)

NETZSCH®

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