

Vertical pump

V-5 to V-41

Material: PP and PVDF
 Immersion depth: 410 mm
 Flow rate: 1,5 to 41 m³/h
 Delivery head: up to 25 m LQ (50 Hz)
 up to 32 m LQ (60 Hz)
 Motor power: 0,55 to 3 kW

Some typical applications:

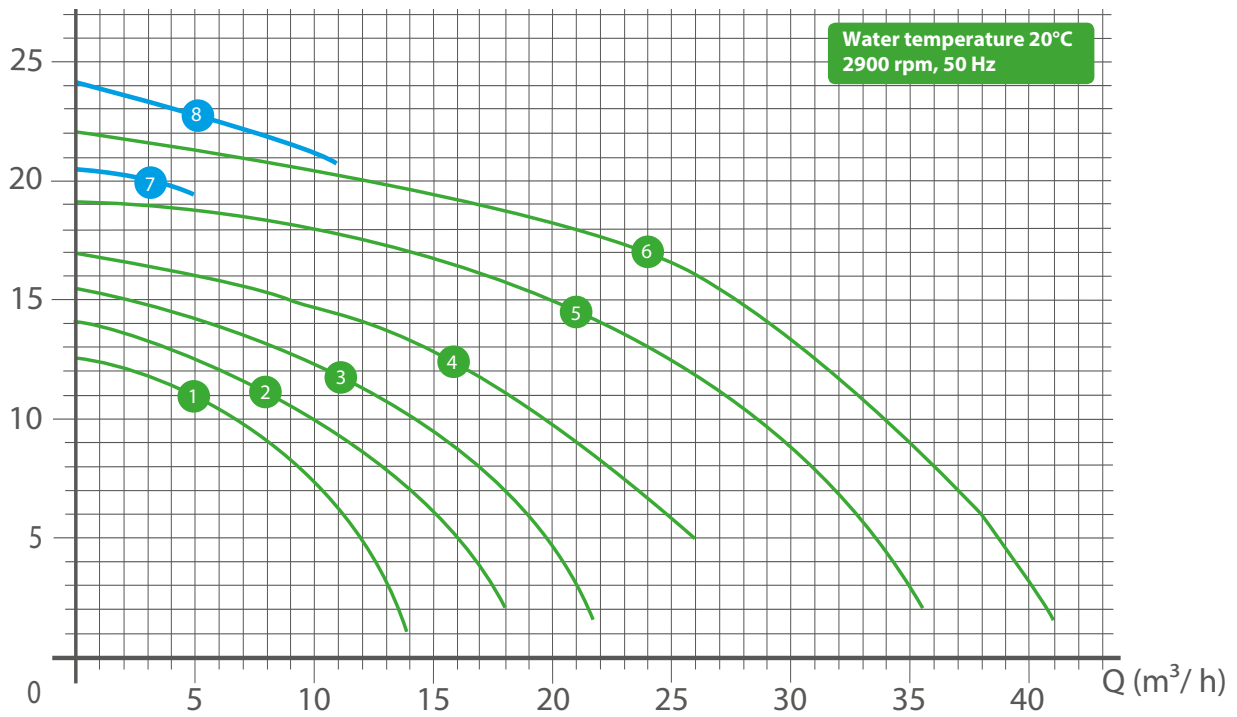
Gas and fume scrubbers, **filtration of liquids**, production of semiconductors and solar cells, **use in coating plants**, operation of water treatment plants, **purging applications**, PCB processing equipment, **electroplating equipment**, general mixing and circulation tasks, **Exhaust scrubber for ships**, redox flow application, **disinfection systems**.



Type	Motor power kW	Rated current 400V-3ph, 50Hz	Connection pressure side d/DN	Weight kg	Immersion depth mm	Suction extension mm	Q max. m ³ /h	H max. m LQ
V-14-13	0,55	1,5	25/20	16	410	up to 1000	14	13
V-18-14	0,75	1,65	32/25	19	410	up to 1000	18	14
V-21-15	1,1	2,45	40/32	20	410	up to 1500	21	15
V-26-17	1,5	3,2	40/32	25	410	up to 1500	26	17
V-35-19	2,2	4,5	40/32	27	410	up to 1500	35	19
V-41-22	3	5,75	50/40	32	410	up to 1500	41	22
V-5-20-HP	1,5 or 2,2	3,2 or 4,5	25/20	25 bis 27	410	up to 1500	5	20
V-11-24 HP	2,2 or 3	4,5 or 5,75	25/20	27 bis 32	410	up to 1500	11	24

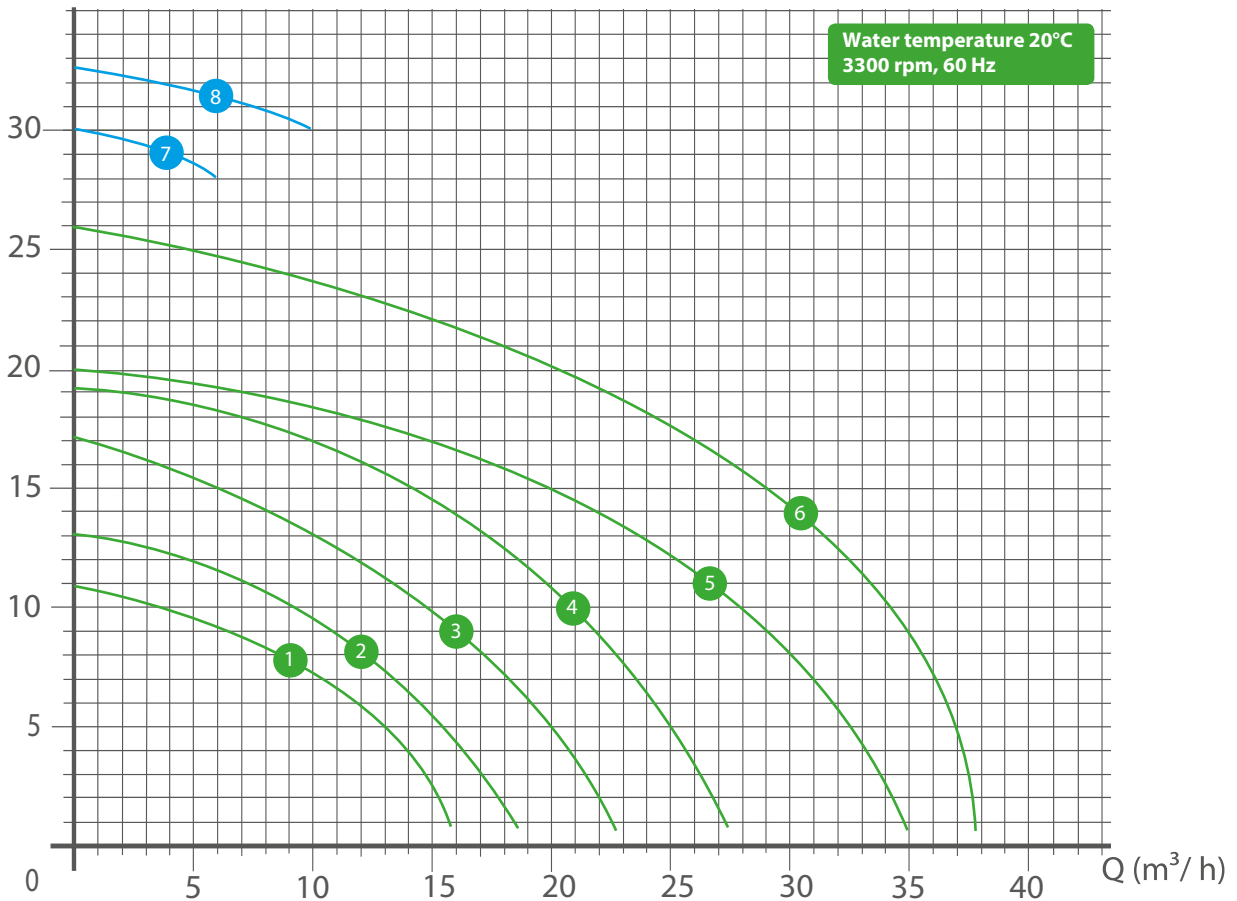


H (m)



① V-14-13 ② V-18-14 ③ V-21-15 ④ V-26-17 ⑤ V-35-19 ⑥ V-41-22 ⑦ V-5-20-HP ⑧ V-11-24 HP

H (m)





Vertical pump

V-5 to V-41

NEES chemical vertical pumps are used to reliably and safely transfer aggressive or highly corrosive fluids and wastewater.

Ever-growing demands on the pumps, high runtime expectations, enhanced **energy efficiency**, and highest **product safety**: These challenges drive us to constantly improve and redefine the existing standards.

100% product safety for people and equipment is a principle we will not compromise in the sophisticated design of our pumps.

Thanks to their innovative and proven construction, vertical NEES pumps **V-5 to V-41** are very energy efficient, robust, versatile and **absolutely dry-run safe**.

Low-vibration operation, insensitivity to solid particles and very low pressure losses distinguish this pump. The pump can also transfer solid matter directly from pump sumps, wells, containers or basins in **wet or dry installation**.

Optionally available

- Suction extinctions
- Intermediate filter
- Hose connectors
- Customised mounting flange
- Vapour barrier
- FIP fittings
- Special connections
- Dry installation next to the container
- HP variant with higher pressure
- Special designs are always possible

Characteristics:

- All wetted parts are made of PP or PVDF (no metal-to-liquid contact)
- Without intermediate bearing, therefore absolutely safe to dry run
- Motor with multi-range voltage
- Special paint for use in aggressive atmosphere
- Reinforced motor ball bearings and extended shaft for stability and longevity
- Abrasion-free, therefore suitable for high purity applications
- Energy efficient design
- Low maintenance, therefore cost-effective operation
- The variant made of the material PVDF is carbon fibre reinforced. This reduces the thermal expansion at higher temperatures and ensures high energy efficiency
- Pressure side fittings available with inserts made of PP, PVDF or CPVC

We'll be happy to advise you



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