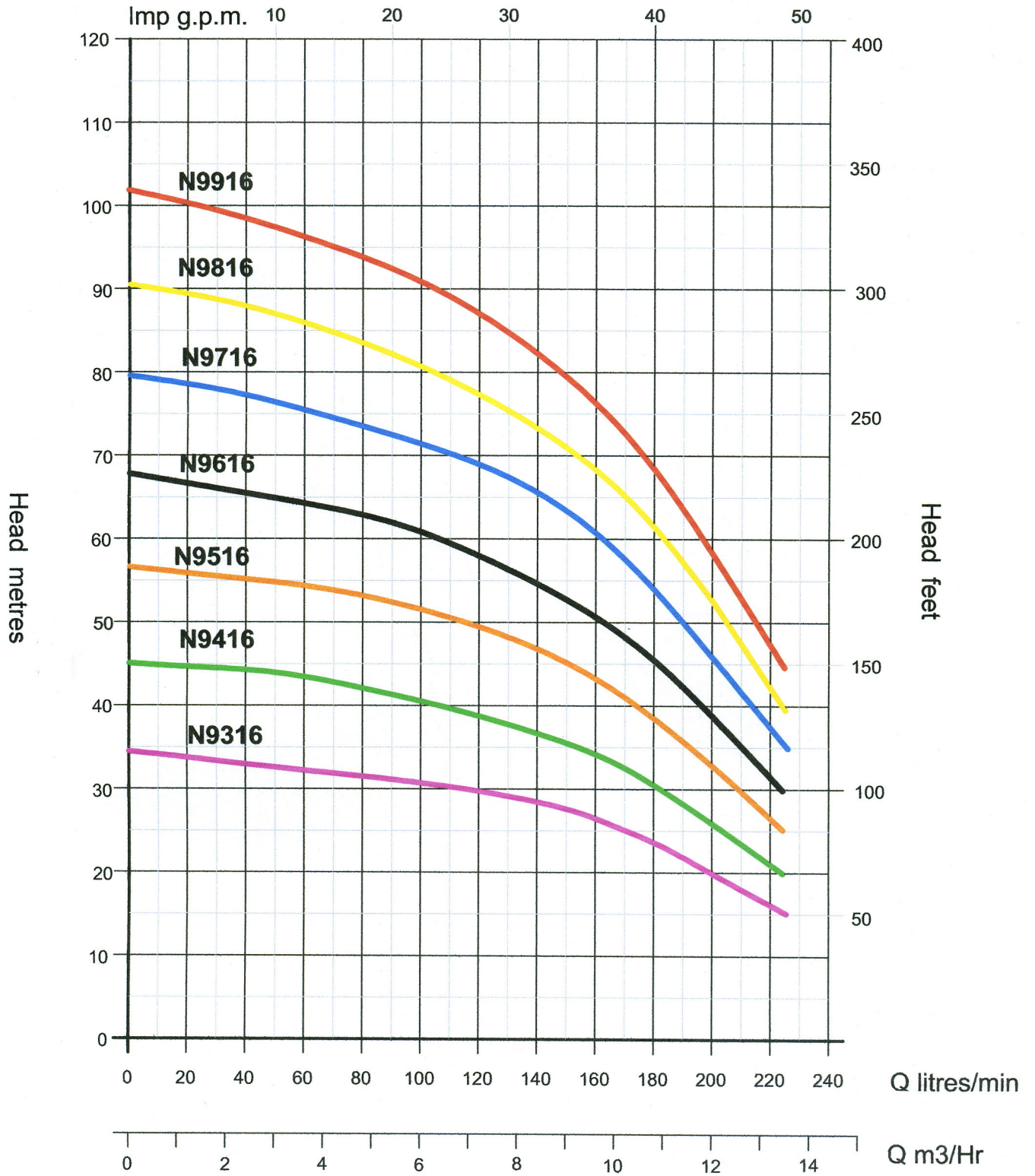


Technical Specifications Rotorflush Filterpumps (Nauti Range)



Pump Output Curves

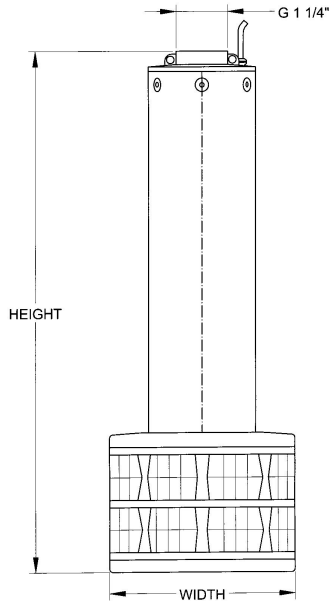
Rotorflush Technical specifications Nauti Range (continued)

| Pump Construction | | |
|--------------------------|--------------------|---|
| Liquid Handled | Type of Liquid | Water containing suspended solids (max 2000mg/litre for 250 micron screen) |
| | Max temperature | 40 C |
| Maximum immersion | (m) | 20 |
| Construction | Impeller | Closed centrifugal type (multiple stages) |
| | Shaft seal type | Double mechanical seal with oil chamber |
| | Bearing | Sealed ball bearing |
| Pipe connection | Inlet | Self cleaning strainer |
| | Outlet | G 1¼" (female) |
| Materials | Casing | AISI 304 |
| | Casing cover | AISI 304 |
| | Impeller | AISI 304 Stainless steel |
| | Diffuser | AISI 304 Stainless steel |
| | Shaft | AISI416 |
| | Shaft seal | Pump side: Sic/Sic/FPM Motor side: Carbon/Ceramic/NBR |
| | Lubricating Liquid | White mineral oil: Esso Marcol 82 (50 ml) |

| Motor Construction | | |
|-------------------------------------|--|------------------|
| Type | Submersible dry type | |
| | Single Phase | Three Phase |
| No. of Poles | 2 | |
| Rotation speed (min ⁻¹) | 2800 | |
| Insulation Class | Class F | |
| Protection degree | IP 68 | |
| Power rating | kW | 1.1 – 2.2 |
| | HP | 1.5 – 3.0 |
| Frequency | 50 Hz | |
| Voltage (V) | 220 – 240 | 380 - 415 |
| Capacitor | external | - |
| Overload protection | 1.1 kW built in >1.1kW provided by user | Provided by user |
| Float Switch | Optional | - |
| Power cable material | H07RN-F | |
| Length (metres) | 20 | |
| Type of cable entry | Cable gland | |

| Self cleaning inlet filter construction | |
|--|--|
| Filter screen area | 476 cm ² |
| Screen sizes | Standard 300 micron 200, 100 and 50 microns available |
| Screen material | Polyester |
| Impeller extension shaft | AISI 304 |
| Impeller | AISI 304 stainless steel |
| Rotor | Acetal copolymer |
| Rotor bearings | Silicon carbide Acetal copolymer housing |
| Filter cage | AISI304 stainless steel |

Rotorflush Technical Specifications (Nauti range) continued



| Pump model | N9316 | N9416 | N9516 | N9616 | N9716 | N9816 | N9916 |
|--|-----------|--------------|--------------|--------------|-----------|-----------|-----------|
| Dimension mm (Height) | 650 | 730 | 760 | 790 | 820 | 850 | 880 |
| Diameter mm (Width) | 215 | 215 | 215 | 215 | 215 | 215 | 215 |
| Weight (Kg) single phase three phase | 20.7 - | 23.7 21.2 | 25.7 24.2 | 26.2 24.7 | - 26.7 | - 27.2 | - 27.7 |
| Output | | | | | | | |
| Nominal output power (KW) | 1.1 | 1.5 | 2.2 | 2.2 | 3.0 | 3.0 | 3.0 |
| Float Switch available (Single phase only) | Yes | Yes | Yes | Yes | No | No | No |
| T= Three Phase M= Single Phase | M | T&M | T&M | T&M | T | T | T |

| Type Pumps | | Power | | Capacitor Single Phase | | Input (KW) | Full Load Current (A) | |
|------------------------|---------------------------|-------|-----|------------------------|-----|------------|-----------------------|-------------|
| Single Phase 230V 50Hz | Three Phase 230/400V 50Hz | KW | HP | uF | V1 | | Single Phase | Three Phase |
| N9316M | - | 1.1 | 1.5 | 30 | 450 | 1.6 | 7.5 | - |
| N9416M | N9416T | 1.5 | 2 | 35 | 450 | 2.1 | 10.2 | 3.65 |
| N9516M | N9516T | 2.2 | 3 | 45 | 450 | 2.5 | 11.8 | 4.5 |
| N9616M | N9616T | 2.2 | 3 | 45 | 450 | 2.8 | 13.0 | 5.1 |
| | N9716T | 3 | 4 | - | - | 3.2 | - | 6.3 |
| | N9816T | 3 | 4 | - | - | 3.6 | - | 6.9 |
| | N9916T | 3 | 4 | - | - | 4.0 | - | 7.4 |