

NTA PREMIUM



Drinking water separation stations

Field of application

- Drinking water separation
- Water supply units
- Irrigation units
- Laboratory water supply units

Drinking water mains separation units from the NTA Premium range prevent the medium from flowing back into the drinking water pipe from domestic water systems connected behind it. Thanks to safety devices in accordance with DIN EN 1717, the drinking water is protected against contamination.

Design

These units are designed with a 700 litre pressureless storage tank. The compact base ensures space-saving installation. Safe drinking water separation is guaranteed by hygiene compliance according to VDI 6023 as well as safety devices according to DIN EN 1717. The problem-free connection to the drinking water network rounds off a compact, ready-to-connect and user-friendly drinking water separation station. A fully automatic frequency-controlled pressure boosting system is also included in the delivery.

Motor

Protection classIP 55
Class of insulation.....F
Voltage.....3~ 230/400 V ± 10 %
Motor speed2850 rpm
Frequency50 Hz

Technical data

Flow rate.....Q up to max. 55 m³/h¹⁾
Total dynamic headH up to max. 150 m
Fluid temperaturet up to max. 20 °C
Operating pressure.....p up to max. 16 bar
Inlet pressure (rec.).....p min. 1 bar up to max. 6 bar

Pumped fluid

Clear fluids which don't chemically and mechanically attack the unit materials.

Materials used

Storage tank.....PE
Magnetic valvebrass
Ball bearingstainless steel AISI CF8M
Pump housing.....stainless steel AISI 304
Impellers.....stainless steel AISI 304
O-RingeEPDM
Pump shaftstainless steel AISI 303
Mechanical seal.....carbon/SiC/EPDM
Base frame.....copper alloy
Pipework.....stainless steel AISI 316Ti

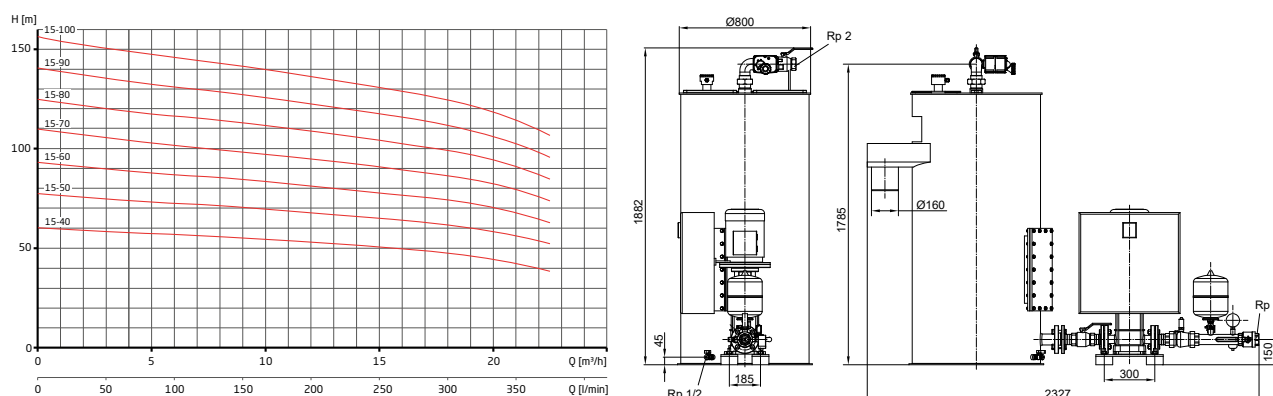
Type key

NTA AE-H 15-70/700

NTAunit type
A.....standard
E.....frequency-controlled
(frequency inverter with electric motor)
Hfrequency converter type (FU control box)
15pump size
70number of stages x 10
700storage tank dimensions

¹⁾Drinking water separation stations up to 100 m³/h on request

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Technical data

Type	Inlet/pressure connection (Rp)	Flow rate (m³/h)	Operating/target pressure (bar)	Power output P_2 (kW)	Rated current 3~ 400 V (A)	Approx. Weight (kg)
NTA A/AE-H 15-40/700	2/2	18	4.70	4.00	7.40	158.00
NTA A/AE-H 15-50/700	2/2	18	6.20	5.50	10.00	197.00
NTA A/AE-H 15-60/700	2/2	18	7.30	7.50	13.30	198.00
NTA A/AE-H 15-70/700	2/2	18	8.60	7.50	13.30	203.00
NTA A/AE-H 15-80/700	2/2	18	9.90	11.00	19.30	280.00
NTA A/AE-H 15-90/700	2/2	18	11.20	11.00	19.30	285.00
NTA A/AE-H 15-100/700	2/2	18	12.50	11.00	19.30	287.00

Order information

Type	Article no.	Type	Article no.
NTA A 15-40/700	561.1504.700	NTA AE-H 15-40/700	561.1504.730
NTA A 15-50/700	561.1505.700	NTA AE-H 15-50/700	561.1505.730
NTA A 15-60/700	561.1506.700	NTA AE-H 15-60/700	561.1506.730
NTA A 15-70/700	561.1507.700	NTA AE-H 15-70/700	561.1507.730
NTA A 15-80/700	561.1508.700	NTA AE-H 15-80/700	561.1508.730
NTA A 15-90/700	561.1509.700	NTA AE-H 15-90/700	561.1509.730
NTA A 15-100/700	561.1510.700	NTA AE-H 15-100/700	561.1510.730
Commissioning (Net)	INBK02		

Additional charges/discounts

Type
Discount for control via interface relay (without pressure and flow sensors)

Your benefits

- Space-saving construction
- Comfortable Aquacell A pressure boosting system (AE-H = frequency controlled)
- Stainless steel ball valve with DVGW approval
- Motor ball valve protects against pressure surges
- Stagnation in the drinking water pipeline is avoided by regular flushing at least every 72 hours
- Controlled emergency overflow
- DVGW and DEKRA certificates