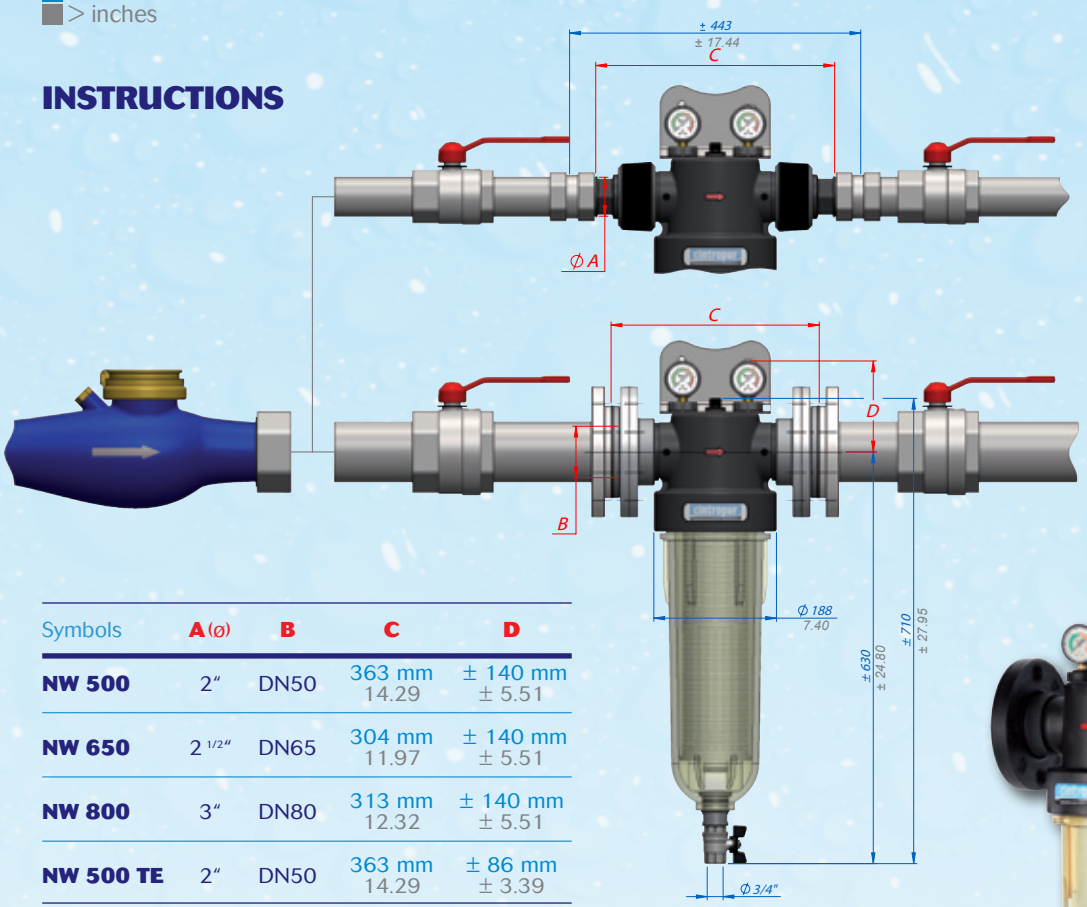
TECHNICAL DATA

Filter type		NW 500	NW 650	NW 800	NW 500 TE
Diameter of pipe :		2″	2 1/2″	3″	2″
Average flow rate : ΔP = 0.2 bar / 2.8 psi	m³/h gpm	18 79	25 110	32 141	2* 9*
Working pressure :	bar psi	10 145	10 145	10 145	10 145
Max. operating pressure :	bar psi	16 232	16 232	16 232	16 232
Max. operating t° :		50° C 122° F	50° C 122° F	50° C 122° F	50° C 122° F
Weight :	kg pounds	6.4 14.11	7 15.43	7.4 16.31	5.6 12.35
Standard filter sleeve :		25 µ	25 µ	25 µ	–
Available volume :	ltr US Gal	– –	– –	– –	4.85 1.28
Filtration surface :	cm² Sq inches	1 288 199.64	1 288 199.64	1 288 199.64	– –

** Value with activated carbon CINTROPUR SCIN*

> mm
> inches

INSTRUCTIONS



Symbols	A (ø)	B	C	D
NW 500	2″	DN50	363 mm 14.29	± 140 mm ± 5.51
NW 650	2 1/2″	DN65	304 mm 11.97	± 140 mm ± 5.51
NW 800	3″	DN80	313 mm 12.32	± 140 mm ± 5.51
NW 500 TE	2″	DN50	363 mm 14.29	± 86 mm ± 3.39

Your supplier

WYCOMBE
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Your dealer

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cintropur®
WATERFILTRATION & TREATMENT

cintropur®

WATERFILTRATION & TREATMENT

Industrial fluid filters

with centrifugal prefiltration

Patent pending

GENERAL DESCRIPTION

Made entirely from first quality synthetic material, CINTROPUR filters are perfectly suitable for food products and drinking water.

The CINTROPUR vane transforms the liquid flow into a centrifugal spin by throwing the larger particles down into the lower bowl, according to the chosen filter sleeve micron-size.

Basic principle

Protection of industrial as well as residential and agricultural installations by filtering the solid particles (earth, sand, rust, etc,...) suspended in the water.

APPLICATIONS

Industry : Protection of sanitary fittings and machine tools.

Agriculture : Filtration of watering (spraying) installations ;

Filtration of water for animals ;

Filtration of rainwater and well water.

Groups : (hotels, restaurants, schools, buildings, ...) protection of the sanitary installations and all electrical/domestic appliances.

Advantages :

- → high and constant flow rate ;
- → low pressure drop ;
- → centrifugal prefiltration with a cyclonal effect ;
- → robustness and reliability ;
- → fast and easy flushing out ;
- → permanent visual control of the filter sleeve (transparent bowl) ;
- → exclusive system, ecological and not expensive (filter sleeve).

Water treatment

The water treatment (TE) models are equipped with a special device that allows the use of different water treatment products.

- *Polyphosphates, silicates and silicon-polyphosphates.*

Efficient up to 60°C / 140° F, these products are used to reduce the harmful and scaling effects of the water hardness. The protection of new installations against rust is also a well known application.

- *Activated carbon*

The activated carbon CINTROPUR is sold separately and is highly suitable for the improvement of taste and the removal of odour, chlorine, ozone, micropolutants such as pesticides and other dissolved organic substances.

NW500 TE
+ activated carbon

NW 500
Ø2" Réf. 1602010001

NW 650
Ø2 1/2" Réf. 1602010002

NW 800
Ø3" Réf. 1602010003

NW 500 TE
Ø2" Réf. 1602010004

Filtration

Standard filter delivered as shown (with a 25 µ filter sleeve and a black spanner for dismantling).

Treatment

1 Pressure gauges 0-20 bar 1/4"

Indicate the system pressure.
Filter sleeves are to be changed at ΔP of 2 bar or at least 3 times a year

2 Head connector thread

- Metric 76 for 500/650 heads
- Metric 88 for 800 heads

→ Use only CINTROPUR fittings/flanges

3 Centrifugal vane

It creates a cyclonic effect on the intake water flow which precipitates the large particles at the bottom of the filter bowl. The inner/outer pre-moulded joints and the set screw will ensure optimum sealing.

4 Drain valve, 3/4"

Allows to evacuate the impurities deposited on the bottom of the bowl as a result of the cyclonic action of the centrifugal vane.

Accessories

A. EPDM gasket
To be placed between the flange and counter flange. For NW650 (Ref. 67) – for NW800 (Ref. 68)

B. Wall fixation
Stainless steel wall bracket is to be attached to the filter head with two locking nuts. Same model for all industrial filters.

C. Black bowl
Prevents algae forming when exposed to direct sunlight.

D. TE device
Device inside the TE filter: used for water treatment by activated carbon or polyphosphates; may also be placed in the NW650 and NW800.

Refill

E. Activated carbon
Quality CINTROPUR SCIN
Carton of 3.4 liters / 0.90 US Gal. For the bowls of NW 500TE, NW 650TE, NW 800TE : 4.85 liters / 1.28 US Gal.

F. Filter sleeve (set of 5 pieces)
Non washable : 1µ / 5µ / 10µ / 25µ / 50µ / 100µ
Washable : 150µ / 300µ

A. EPDM gasket / NW650	Réf. 1802030019
EPDM gasket / NW800	Réf. 1802030020
B. Wall fixation inox	Réf. 1802030018
C. Black bowl	Réf. 1802030009
D. TE device	Réf. 1802030010
E. Activated carbon	Réf. 0905055740

F. Filter sleeve NW500 / 650 / 800	
1 µm	Réf. 1702040001
5 µm	Réf. 1702045744
10 µm	Réf. 1702045748
25 µm	Réf. 1702045752
50 µm	Réf. 1702045756
100 µm	Réf. 1702045760
150 µm	Réf. 1702043147
300 µm	Réf. 1702045761