

**cintropur**®

WATERFILTRATION & TREATMENT



# Industrial fluid filters

with centrifugal prefiltration

www.cintropur.com



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, micropollutants such as pesticides and other dissolved organic substances.



**NW 500 TE**  
+ activated carbon

## NW 500

Ø2"



## NW 650

Ø2 1/2"



## NW 800

Ø3"



## NW 500 TE

Ø2"



### 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. Filter sleeve (sets of 5 pieces)

Non washable : 1µ / 5µ / 10µ / 25µ / 50µ / 100µ

Washable : 150µ / 300µ

#### F. 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.





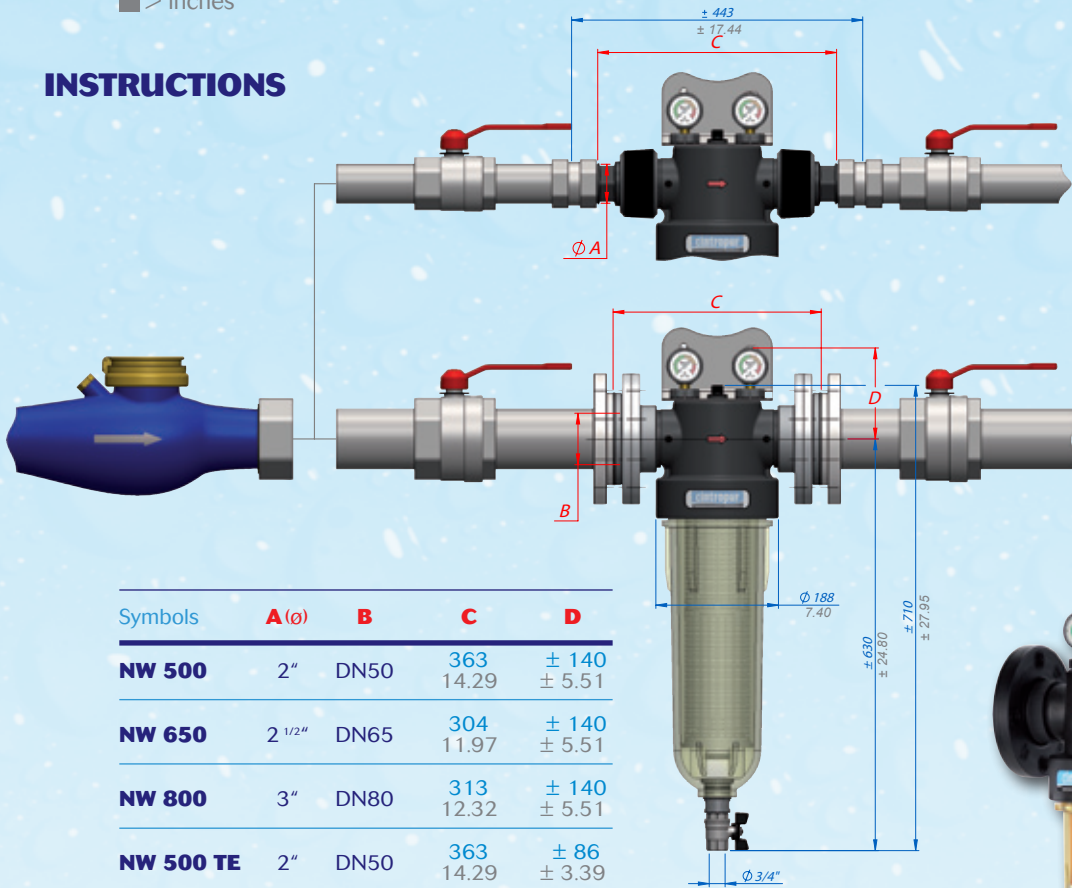
## TECHNICAL DATA

Filter type		NW 500	NW 650	NW 800	NW 500 TE
Diameter of pipe :		2"	2 1/2"	3"	2"
Average flow rate :	m <sup>3</sup> /h	18	25	32	2*
$\Delta P = 0.2 \text{ bar} / 2.8 \text{ psi}$	gpm	79	110	141	9*
Working pressure :	bar	10	10	10	10
	psi	145	145	145	145
Max. operating pressure :	bar	16	16	16	16
	psi	232	232	232	232
Max. operating t° :	50° C	50° C	50° C	50° C	50° C
	122° F	122° F	122° F	122° F	122° F
Weight :	kg	6.4	7	7.4	5.6
	pounds	14.11	15.43	16.31	12.35
Standard filter sleeve :		25 $\mu$	25 $\mu$	25 $\mu$	—
Available volume :	ltr	—	—	—	4.85
	US Gal	—	—	—	1.28
Filtration surface :	cm <sup>2</sup>	1 288	1 288	1 288	—
	Sq inches	199.64	199.64	199.64	—

\* Value with activated carbon CINTROPUR SCIN

■ > mm  
■ > inches

## INSTRUCTIONS



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

## Your supplier



Cintropur® is a product of the AIRWATEC® company

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