

# COLLOID-A-TRON

## PRODUCT DATA SHEET

- Unique Catalytic treatment system.
- Independently proven technology for over 40 years.
- No power requirements.
- Easily installation
- No maintenance or servicing required
- WRAS approved

Colloid-A-Tron is a unique limescale prevention system specially designed for use in heavy industry. Applications range from cooling towers, heat exchangers chillers/condensers, and many more applications.

Colloid-A-Tron is based on Fluid Dynamics unique catalytic alloy treatment system with a design inducing turbulence and surface contact between alloy and water providing a higher level of treatment than most other conditioning systems.

Colloid-A-Tron has been proven in industry with over 250,000 installation across more than 50 countries.

**With no power requirements Colloid-A-Tron can be installed in isolated areas and either vertically or horizontal. Correctly installed Colloid-A-Tron will not have a dramatic effect on pressure losses with a loss of in most cases of no more than 2%.**

**Peace of mind for contractors, no electrical connections or power requirements are required and there is no mechanical parts that are subject to breakdown. Once Colloid-A-Tron is installed users can expect a minimum service of 10 years.**



## FITTING OPTIONS

### BSP THREADS

Male threaded connections can be supplied on equipment size dn50 to dn50 in diameter. These conform to BSPT (British standard tapered).

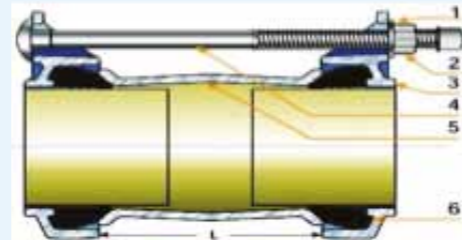
### DN65 UPWARD FLANGES:

A wide range of flanges can be specified as the fitting option for Colloid-A-Tron. The standard is the BS4504 PN16 stainless steel flanges, higher pressure ratings are available on request.



## COUPLING DATA

- Light weight design
- Corrosion resistant
- Fusion bonded epoxy coating
- Wide sealing range – dn50 upward
- Coated bolt sets
- Total angular deflection of ±8°
- WRAS certification
- EPDM seals



## MATERIALS OF CONSTRUCTION

1. **Washer** - Hardened steel zinc plated & passivated.
2. **Nuts** - Steel Grade 8 with sheraplex coating
3. **Gland rings** - Ductile Iron GGG-40/50 BSEN 1563.
4. **Bolts** - M12 Steel Grade 8.8 sheraplex coating
5. **Centre Sleeve** - Ductile Iron GGG-40/50 BSEN 1563
6. **Rubber Sleeve** - EPDM to BS EN 681-1 fusion bonded epoxy

## COLLOID-A-TRON MATERIALS:

Stainless steel housing, 304 or 316 on request.  
Non sacrificial catalytic semi precious alloy.  
Wras no. 1012363



C-A-T NOMINAL DIAMETER	MAX. FLOW M3/HR	UNIT LENGTH MILLIMETERS	MAX. PRESSURE BAR	WEIGHT KGS
DN15	1.6	254	16	0.36
DN20	3.6	305	16	0.58
DN25	5.2	305	16	0.94
DN32	8.2	609	16	2.88
DN40	13.5	913	16	3.36
DN50	20	913	16	4.18
DN65	29	913	16	15
DN80	54	913	16	20
DN100	80	913	16	25
DN125	145	913	16	35
DN150	270	913	16	39.5
DN200	440	913	16	45
DN250	650	913	16	50
DN300	750	913	16	57

LARGER SIZES AVAILABLE ON REQUEST