

SCREEN CLEANING

DESIGN FEATURES

- ✓ 8 nozzles which can deliver the densest wash pattern available
- ✓ Ideal for screens or open tanks
- ✓ Can be configured to give narrow, targeted cleaning
- ✓ Simple and very robust design suitable for harsh environments
- ✓ Can be stripped and reassembled in 15 minutes
- ✓ Safety & quality certified ATEX (on request) for zones 0 and T6

SPRAY CHARACTERISTICS

- ✓ Flow rates: 85-500 l/min
- ✓ Working Pressure: 5-10 bar
- ✓ Jet length: Up to 20m
- ✓ Wash pattern: 90°, 120° or 180°
- ✓ Cycle times: 6.8-19 minutes
- ✓ Materials:
 - Housing: 316L
 - Nozzle Head: 316L
 - Gears: PEEK + 316 SS
 - Bushings: Carbon Filled PTFE
- ✓ Weight: 12Kg



The ScreenBlaster is a versatile rotary jet cleaning machine for cleaning screens such as those found on combined sewer overflows (CSOs).

Its 8 nozzle design allows the cleaning pattern to be restricted to as low as 90°. This makes it perfect for screen cleaning where very targeted high intensity cleans are needed.

To overcome shadowing caused by wave design screens, the ScreenBlaster system is designed so that as much as possible of the screen below sits within a 60° cone of the cleaning head. This means that the surfaces within this cone will be hit by jets that are no more than a 30° angle from the horizontal.

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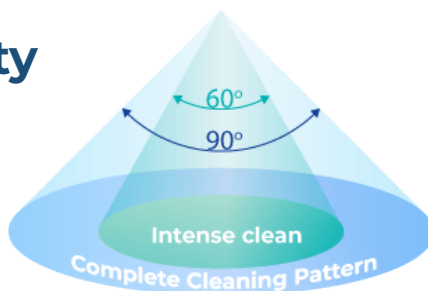
How it works

The ScreenBlaster is a fluid driven rotary jet cleaner. Cleaning fluid is pumped through the machine and this first passes through a turbine which causes the 8 nozzle arms to spin. The fluid then passes through the nozzles forming a powerful cleaning jet. As the arms rotate the main body also rotates in a set pattern. This is geared so that over a specific period of time (the clean cycle) the cleaning jets are brought to bear on each part of the screen, ensuring a thorough, methodical clean.

Normally, rotary jet tank cleaning heads bring their cleaning jets to work a complete 360° clean. The 8 Nozzle design of the ScreenBlaster, however, allows for the cleaning pattern to be restricted to as low as 90°. What this means is that the powerful cleaning jets will impact each part of the surface below with a 90° (or more) cone.

Ultimate flexibility

The flexibility of the ScreenBlaster's spray pattern configurations means that cleaning systems can be designed to ensure intense cleaning is delivered exactly where it is most needed.

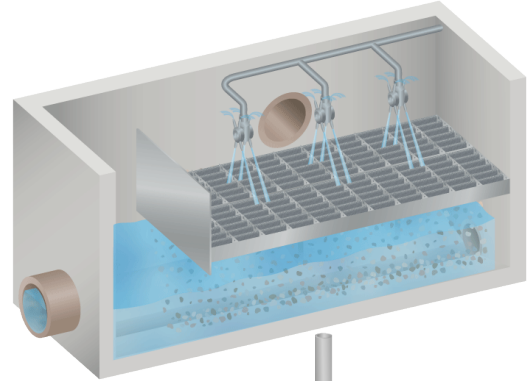


Made in the UK

The ScreenBlaster is manufactured in the UK exclusively for SNP by Dasic Marine.

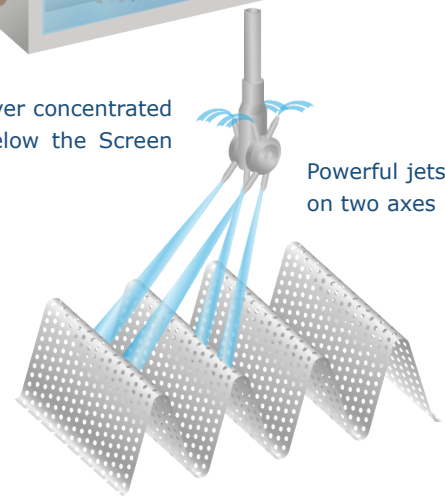


Example application CSO Screens



Jets cover concentrated area below the Screen Blaster

Powerful jets rotate on two axes



ScreenBlaster flow rates and jet lengths (based on 180° down wash)

Flow rates and Jet Lengths

Standard Materials: Housing: 316L, Nozzle Head: 316L, Gears: PEEK + 316 SS, Bushings: Carbon Filled PTFE

NOZZLE SIZE

Bar	4mm		5mm		6mm		7mm		8mm		9mm	
	Flow rate l/min	Jet Length (m)	Flow rate l/min	Jet Length (m)	Flow rate l/min	Jet Length (m)	Flow rate l/min	Jet Length (m)	Flow rate l/min	Jet Length (m)	Flow rate l/min	Jet Length (m)
5	110	5.0	130	6.0	153	8.0	180	9.0	187	10.0	193	11.0
6	122	6.0	147	7.0	167	9.0	197	10.0	203	11.0	212	12.0
7	125	7.0	125	8.0	182	10.0	212	11.0	218	12.0	225	13.0
8	130	8.0	163	9.0	197	11.0	225	12.0	232	13.0	242	14.0
9	135	9.0	172	10.0	208	12.0	238	13.0	245	14.0	258	15.0
10	140	9.5	180	10.5	217	12.5	250	13.5	260	14.5	275	15.5

Ask our technical sales engineers about additional products and services to optimise your spraying process.

Spray Calibration Solutions

Easy-to-use, fast measurement solutions to ensure accurate nozzle installation and maintenance, reduce water wastage and identify nozzle wear.



Spray Pattern & Droplet Distribution



Nozzle Flow Calibrators



Nozzle Cleaning Kit

Complete Spray Bars

Tailored nozzle selections and spray bar designs that integrate seamlessly with your new or existing setup.

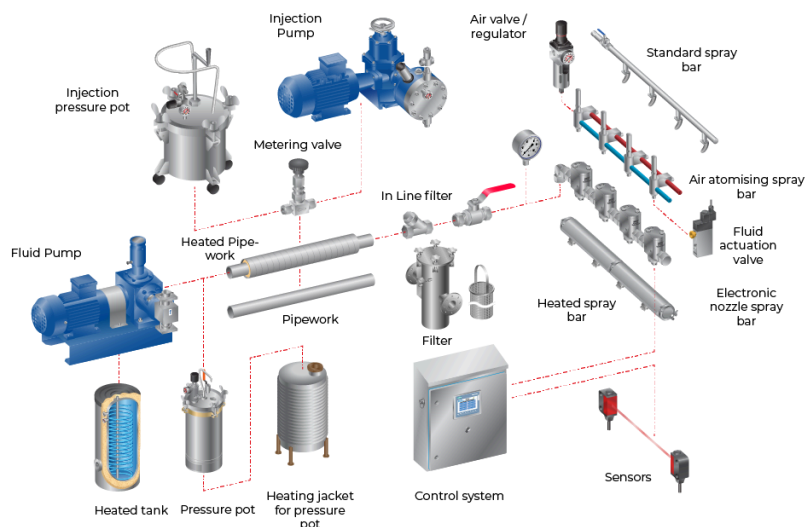
- ✓ Expert nozzle selection and placement
- ✓ Efficient spray coverage
- ✓ Fast turnaround time
- ✓ Reduced design burden
- ✓ High-quality spray bars



Complete Custom Spraying Systems

Complete spraying systems built around your goals and application.

- ✓ Tailored upstream components supplied individually or as part of complete system
- ✓ Custom pipework, pumps, tanks, sensors, valves, heating, control panels and more
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- ✓ End-to-end support: design, install, maintain



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