

PLASSTEZE 



DESCALING AND FLUSHING SYSTEM



Flush out
Scale / Rust

in cooling channels with
Powerful Descaling System

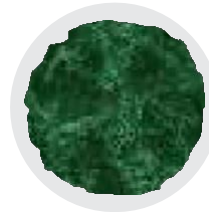
DSP25/30/35/45



Scale



Rust



Silt microbial
and algae



- Portable machine - easy to transport
- Inlet and outlet connection size can be customized
- Low water level cut off for safe operation of heaters
- Two inlet and outlet enables descaling in two circuits, simultaneously
- Digital Flowmeter to record the flow rate of fluid before and after descaling
- Timer controlled operations – safe to use, prevent excessive contact of chemicals with cooling channels
- Extremely powerful pump to flush out the stubborn Scale / Rust / Deposits formed on Cooling Channels
- Tank, pump and fittings made of non corrosive PP material – no effect of descaling chemicals on machine
- Auto cut-off heater maintains optimum temperature for best results – enhance the performance of chemicals

Applications

Our De-scaling system helps you save a lot by increasing the cooling efficiency of Cooling Channels of:

- Boilers - Dies & Moulds - Heat Exchangers - Injection Moulding Machines - Automobiles

Impact of scale in cooling lines

Defective products

The surface temperature of the die / mold cavity is not uniform, resulting in large shrinkage and warpage / deformation of the product resulting in rejections.

Lower efficiency

Heat exchange efficiency is reduced, cooling cycle time is longer, and production cycle time is longer too.

Higher costs

Rejections and longer cycle time causes increased cost of end product

During injection moulding or Die Casting, water is circulated through the cooling lines of dies / moulds that helps in faster cooling of plastic / aluminium part to increase production. As these cooling lines are always working in the situation of high frequency alternating between hot and cold, scale and rust are formed easily on the inner wall of cooling lines.

Bacteria and algae also multiply in large quantities. All of this makes the pipe diameter getting smaller and smaller or completely blocked which causes the heat exchange efficiency reduces greatly, thus increasing the part cooling time, resulting in production loss.

With poor heat exchange efficiency the quality of product is instable and the defect rate rise which means the overall production costs is increased.



DSP35



DSP35SS



DSP45

Technical Specs:

Motor	: 415V/ 1.5 KW
Max Temperature.	: 70 deg C
Flow Rate	: 0~100 LPM
Heater	: 3000W
Timer	: Yes
Dimensions:	: 87X99X107 cm
Weight	: 110 Kg
Pump Pressure	: 2.0 Bar
Descaling Tank Volume	: 100Ltr
Rinse Tank Volume	: 34Ltr
Tank Material	: Polypropylene
Inlet Size*	: 2X1" Hose connection
Outlet size*	: 2X1" Hose connection



* Connections can be customized on request

	DSP25	DSP30	DSP35	DSP35SS	DSP45
No. of Tanks	1	2	2	2	2
No. of Pumps	1	2	2	2	2
Valves Material	PP	PP	PP	SS	SS
Tank Material	PP	PP	PP	PP	SS+PP
Air Purging	✗	✓	✓	✓	✓
Two Way Valve in Return line	✗	✗	✗	✗	✓
Rinse	✗	✓	✓	✓	✓
Leak Testing	✗	✗	✗	✓	✓
Heater	✗	✗	✓	✓	✓
Digital Flowmeter	✗	✗	✓	✓	✓

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