

PLASSTEZE 

Descaling and Flushing System



**Flush out
Scale / Rust**

in cooling channels with
powerful Descaling System

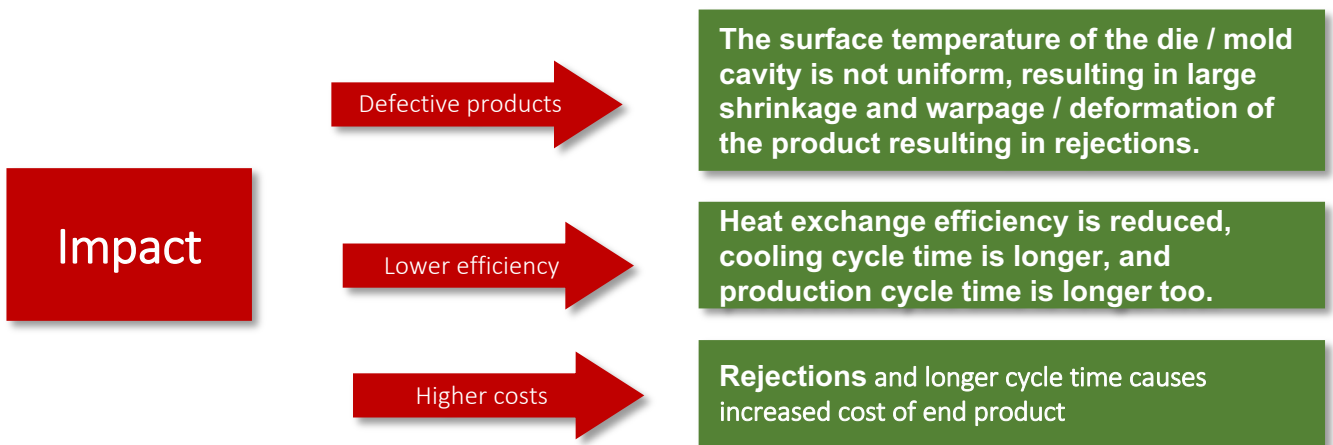
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During injection moulding or Die Casting, water is circulated through the cooling lines of dies / moulds that helps in faster cooling of plastic / aluminium part to increase production. As these cooling lines are always working in the situation of 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.



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

DSP15/35+/45+/55+



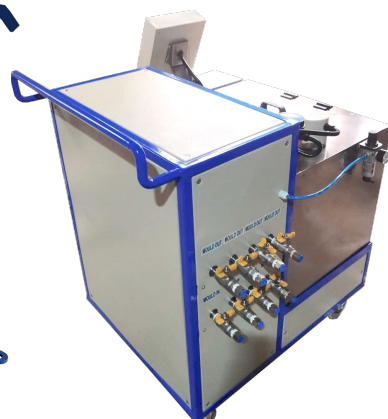
DSP15



DSP35+



DSP45+



DSP55+

- ❖ Portable machine - easy to transport
- ❖ Inlet and outlet connection size can be customized
- ❖ Low water level cut off for safe operation of heaters
- ❖ 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 lines
- ❖ Powerful pump to flush out the stubborn Scale / Rust / Deposits formed on Cooling lines
- ❖ Tank and pump made of non-corrosive PP material – no effect of descaling chemicals on machine
- ❖ Auto cut-off heater maintains optimum temperature for best results

Model Selection:

	DSP15	DSP35 Plus	DSP45 Plus	DSP55 Plus
No. of Tanks	1	2	2	2
No. of Pumps	1	2	2	2
Valves Material	PP	SS	SS	SS
Tank Material	PP	PP	SS+PP	SS+PP
Air Purging	✗	✓	✓	✓
Two Way Valve in Return line	✗	✗	✗	✓
Rinse	✗	✓	✓	✓
Leak Testing	✗	✗	✗	✓
Heater	✗	✓	✓	✓
Digital Clamp On Flowmeter	✗	✓	✓	✓
Auto / Manual	Manual	Manual	Manual	Auto
Data Logging	✗	✗	✗	✓

Specs	DSP15	DSP35 Plus	DSP45 Plus	DSP55 Plus
Motor	220V / 1 KW	415V / 1.5KW	415V / 1.5KW	415V / 1.5KW
Max Temperature		55 deg C	55 deg C	55 deg C
Flow Rate	0~50 LPM	0~50 LPM	0~50 LPM	0~40 LPM
Heater Wattage	-----	3000W	3000W	3000W
Timer	Yes	Yes	Yes	Automatic (PLC)
Electrical Load	1 KW	4.5KW	4.5KW	4.5KW
Level Sensor	No	Yes	Yes	Yes
Flow Meter	No	Non Contact Type	Non Contact Type	Non Contact Type
Dimensions(Cm) LXWXH	70X80X115	80X85X115	80X85X115	110X100X115
Net Weight (Kg)	100	130	130	150
Gross Weight (Kg)	180	250	250	300
Pump Pressure	1.5 Bar	1.5 Bar	1.5 Bar	8 Bar
Descaling Tank Volume (Ltr)	80	110	110	72
Rinse Tank Volume (Ltr)	-----	34	34	72
Valve Material	Polypropylene	SS	SS	Polypropylene-Automatic
Tank Material	Polypropylene	Polypropylene	SS + Polypropylene	SS + Polypropylene
Inlet Size*	1X12mm	2X12mm	2X12mm	4X12mm
Outlet size*	1X12mm	2X12mm	2X12mm	4X12mm
Mobile	Yes	Yes	Yes	Yes
Functions	Descaling	Descaling-->Purging-- -->Rinsing-->Purging	Descaling-->Purging-- -->Rinsing-->Purging	Pre Flow Test -- -->Descaling-->Purging-- -->Rinsing-->Purging--> Post Flow test. Independent Leak Test & Independent Flow Test
Data Logging	No	No	No	Yes
Process Flow	Manual	Semi Automatic	Semi Automatic	Automatic Via PLC & HMI

* Connections can be customized on request

* Specifications may change without notice

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