

jetPulse 100L

With the jetPulse, REGLOPLAS offers a versatile, individually applicable and cycle-accurate solution in pressure die-casting temperature control, which can efficiently cool mold areas where conventional temperature control is inadequate.

- Water distribution system for die-casting with 6 channels and 8 cores per channel
- Flow of up to 100 l/min with a max. pressure of 30 bar
- Siemens PLC-controlled control system with a touch screen
- Integrated temperature measurement
- Adjustable air/water cooling time, leakage monitoring time
- Adjustable blowing out time, waiting times between actions
- Energy-saving pump, only active when cooling is on



Technical specifications

System water temperature	Heat transfer medium	Pump capacity/Type			Connections				
80 °C	Water	CRNE 3-15	100 l/min	7.5 kW	G 1/4" (IG)	G 1/4" / BSP 60°	G 1/2"	G 1/2" / BSP 60°	G 3/8"

Technical data

Outlet temperature		
max.	°C	80
Heat transfer medium		Water
Filling quantity	l	100
Cooling channels		6
Heating capacity at 400V	kW	0
Cooling capacity	kW	60
Cooler		2K
at outlet temperature	°C	70
at cooling water temperature	°C	20
Pump capacity/Type		CRNE 3-15
Flow rate max.	l/min	100
Power consumption	kW	7.5
Pressure max.	bar	30
Control system		SPS
Operating voltage	V/Hz	380-500 V, 50/60 Hz
Ext. control voltage	V	24 VDC
Connections		
Connection compressed air		G 1/4" (IG)
Outlet TCU compressed air		G 1/4" / BSP 60°
Cooling water		G 1/2"
Inlet/outlet TCU		G 1/2" / BSP 60°
Inlet system water		G 3/8"
Degree of protection		IP54
Dimensions W/H/D	mm	512/1140/1425
Weight	kg	250
Color	RAL	9006/7016
Ambient temperature		
max.	°C	40

Standard equipment

- HAN 7D digital inputs (ext. Start)
- Pressure gauge on unit and display
- Siemens S7-1500 PLC with 10" MTP1000 touch display
- Blow out
- Leakage Control
- Automatic water refill
- Indirect cooling (1K)
- Constant pressure control
- Pump with frequency converter
- Optical level indicator

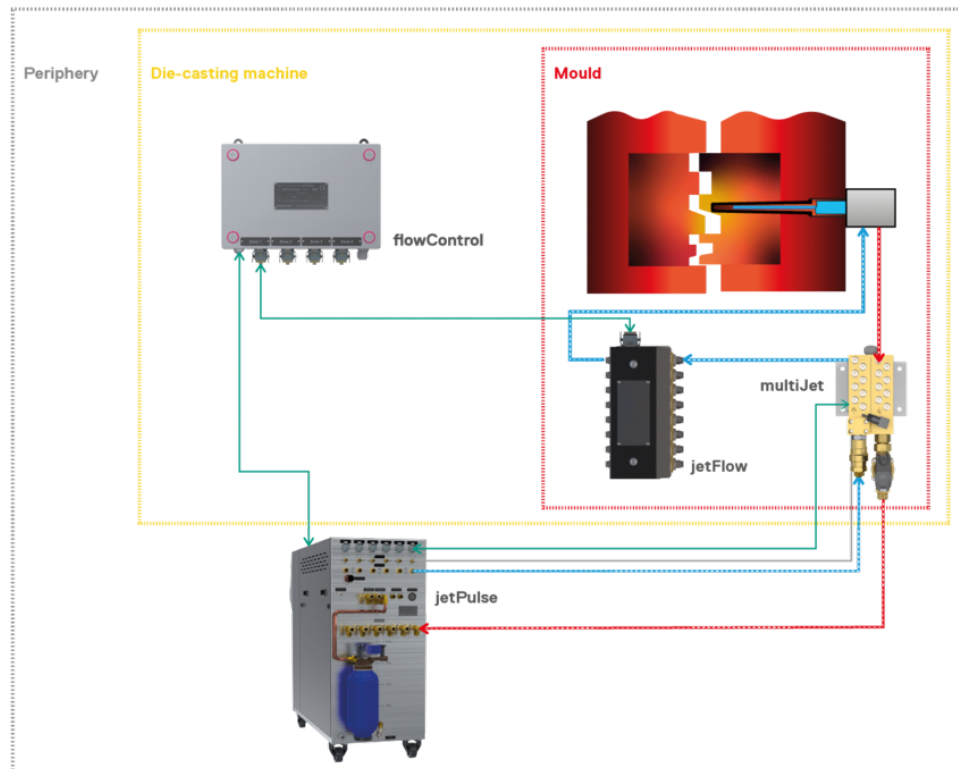
Options

- 2K cooling for more cooling capacity
- ProfiNet M12 interface (ext. start)
- System water desalination on the unit

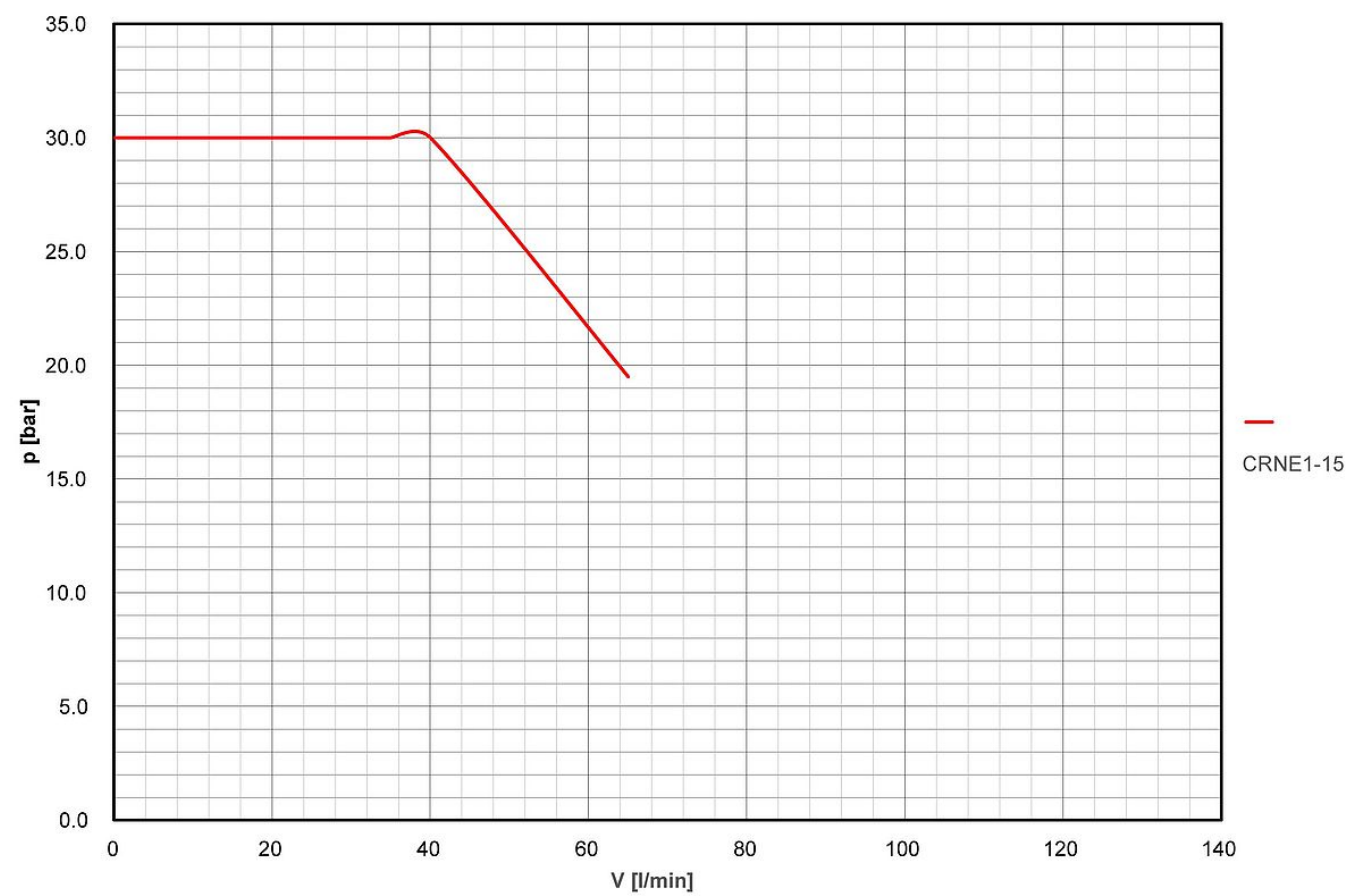
Product images - front/back



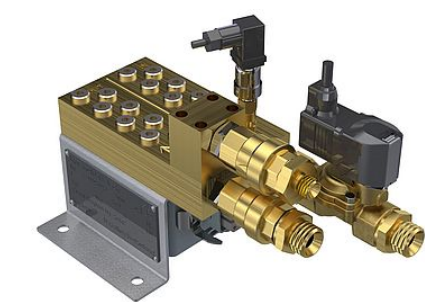
System components



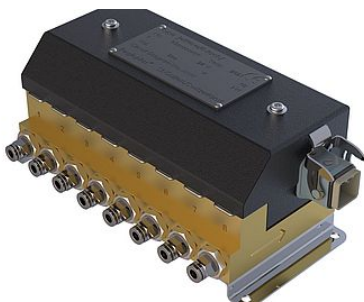
Pump curve



System components - Technical data



multiJet



jetFlow



flowControl

Multiple distributor

Typ	multiJet
Heat transfer medium	water/air
Outlet temperature max.	80 °C
Cooling channels	8
Ext. control voltage	24 VDC
Connections	
Outlet compressed air	G 1/4"
Inlet/outlet TCU	G 1/2" / BSP 60°
Inlet/outlet core	G 1/8" IG
Interface to jetPulse	Han 4A
Degree of protection	IP54
Dimensions W/H/D	303/188/149mm
Weight	ca. 4 kg
Ambient temperature max.	60 °C

Flow measurement

Typ	jetFlow
Heat transfer medium	water/air
Outlet temperature max.	95 °C
Cooling channels	8
Ext. control voltage	24 VDC
Flow measurement per channel	0.7 - 30 l/min
Connection inlet/ outlet	plug connection d6 / G 1/4"

Interface flowControl	Han 12Q
Degree of protection	IP54
Dimensions W/H/D	130/230/96mm
Weight	ca. 5 kg
Color	RAL9006
Ambient temperature max.	60 °C

Flow control

Typ	flowControl
Cooling channels	4/6
Control	SPS
Operating voltage	100-230V, 50/60 Hz
Ext. control voltage	24 VDC
Interface to jetFlow	Han 12Q
Interface to jetPulse	Profinet MN12
Degree of protection	IP54
Dimensions W/H/D	300/200/130 mm
Weight	ca. 5 kg
Color	RAL7016
Ambient temperature max.	40 °C

Representation Switzerland
Injection Molding, Die Casting, other Applications

Regloplas AG
Spühlstrasse 6
9016 St. Gallen
Switzerland

Tel +41 71 282 58 00
Email info@regloplas.com