

Injection Valve

Data Sheet

The injection valve connects a Ciject® injection machine to the inlet port of a typical closed mould, ensuring reliable and clean operation.



Key Features

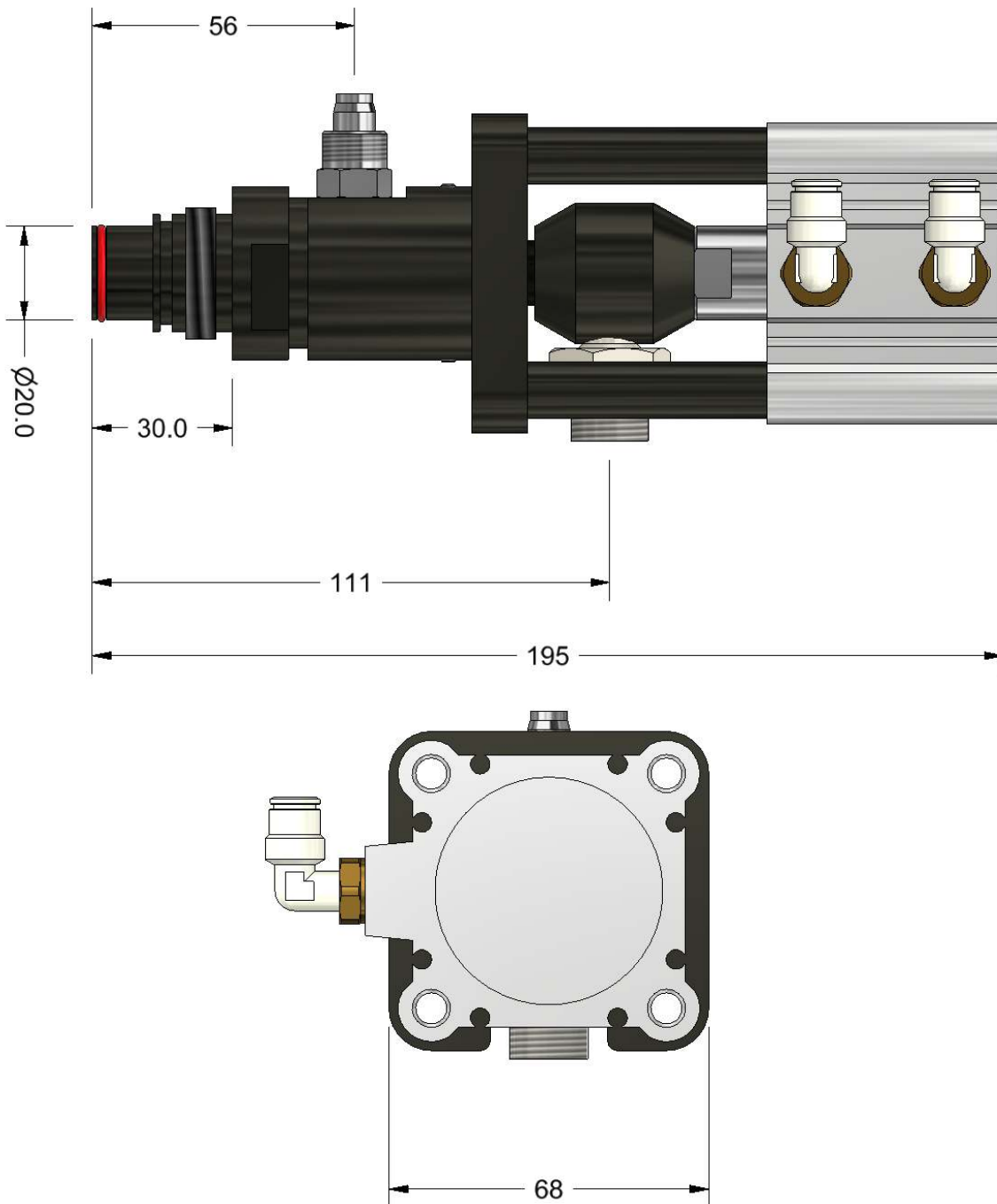
- > Vacuum tight sealing of a closed mould.
- > Easily cleaned as part of normal injection machine flush cycle.
- > Straightforward isolation of the mould cavity.
- > Enables automation of the process and reduces the need for operator intervention.
- > The overall design and careful positioning of the material ports allowing use in deep mould structures with limited access.
- > A combination of innovative design, robust construction and highest quality components ensure excellent reliability with a wide range of resin types under the hardest conditions.
- > Can be disconnected from the injection machine once cleaned.



Specifications

Housing Material	Machined from steel and treated to provide a hardened and corrosion resistant surface
Maximum Operating Temperature	Standard: 80°C High Temperature: 180°C

Dimensions



How to Order

To specify a configuration, use the Injection Valve part number, followed by the required option numbers separated by a hyphen. E.g., **XE-0015-01-12-25** is specifying a standard injection valve with a 1.5m resin inlet hose and control valve and fittings.

Available Options	Description	Option Number
Injection Valve		XE-0015
Standard version	Standard injection valve which can be customised with options.	01
High Temperature version	Configured for use at temperatures up to 150°C (continuous use) or 180°C (short term use). Includes torlon sealing tip, stainless steel shaft and high temperature air cylinder.	02
Stainless Steel Shaft version	Stainless steel shaft provides a very robust alternative to the standard shaft if regular dismantling is required.	03
Stainless Steel Body version	All parts contacting resin are machined in stainless steel.	04
Phenolic compatible version	Configured for use with phenolic resin/catalyst systems.	05
Infusion 'Nose' version	1/2" BSPPF outlet for connection to infusion inlet.	06
Control Valve and Fittings	The injection valve is pneumatically actuated. The control valve powers the injection valve open/close from the Ciject injection machine.	25
*other custom specifications can be requested to consider factors such as heating or extended length		

Inlet Hose Options	Description	Option Number
0.5m Hose	Resin inlet	10
1.0m Hose	Resin inlet	11
1.5m Hose	Resin inlet	12
1.8m Hose	Resin inlet	13
Brass Quick Couple Connector	Connection for resin inlet hose (above). Connects the injection valve to the Ciject mix-head.	20
Stainless Steel Quick Couple Connector	Connection for resin inlet hose (above). Connects the injection valve to the Ciject mix-head.	21

Spares Kits	Part Number
Standard Valve version	XE-0015-SK-01
High Temperature version	XE-0015-SK-02
Stainless Steel Shaft version	XE-0015-SK-03
Stainless Steel Body version	XE-0015-SK-04

Spares Kits	Part Number
Phenolic version	XE-0015-SK-05
Brass Quick Couple spares	XE-0015-SK-06
Stainless Steel Quick Couple spares	XE-0015-SK-07
Infusion Nose version	XE-0015-SK-08

