Shut-off Nozzle

Customer Requirement Form

Every Moxietec® shut-off nozzle is machined to fit your press. Fill in what you know, save the file, and email it to solutions@moxietec.com. Leave blank anything you are unsure of and we will follow up.

CUSTOMER INFORMATION

Contact name

Company email

Telephone / ext.

Fax

Company

Street address

City / ZIP

State

Country

MACHINE SPECIFICATIONS

For the injection molding machine the nozzle will be fitted to.

Manufacturer

Model

Tonnage (U.S. tons)

Screw Ø

Controllable outputs?

Choose...

Processed material(s)

REQUIRED MACHINING DIMENSIONS

Please give units (in or mm) with each value.

Thread

Length	Diameter	Pitch

Nozzle tip

Orifice	Radius

Centering

Length	Diameter

Immersion

Depth	Angle	Diameter

OPTIONS

- ☐ **Melt temperature sensor**
  Monitors melt temperature near the nozzle tip
- ☐ **Pin position sensor**
  Monitors shut-off pin position, open / closed

Cooling circuit length (steel-braided lines for the tip cooling circuit)

○ 5 m ○ 10 m ○ 20 m

- ☐ **Auxiliary timer control for cooling circuit**
  Needed if the machine has no programmable outputs

RISK OF COLLISION

Because of the uniform cooling-tip design, changes in tip length are minimal, so it is critical to check for collisions with the mold and platen before using the shut-off nozzle. The depth of the sprue bushing is also critical when it is offset from the mold / platen mating plane.

Dimension A	Dimension B	Dimension C	Dimension D	Dimension E
3.79 in	1.06 in	1.06 in	3.20 in	4.41 in
96.30 mm	26.99 mm	26.87 mm	81.35 mm	111.96 mm

MACHINE INTERFACE

Pin open / close control

The nozzle needs a programmable hydraulic or pneumatic valve to move the pin. Please tell us about the valves on the machine.

Control type

Choose...

Connection type

Open / close safety sensors

Moxietec recommends safety position sensors to confirm the pin is in place before the screw moves forward. Moxietec can supply them.

Sensors required?

Choose...

Nozzle tip cooling

The cooling circuit has a 24 V DC normally closed solenoid valve, supplied by your chiller and wired to a programmable machine output. Without programmable outputs, auxiliary equipment is needed.

Programmable outputs for water circuit?

Choose...

Temperature control zone

The nozzle needs one temperature control zone, ideally integrated into the machine control.

Input amperage

Input voltage

Thermocouple type

Choose...

NOTES

Email to solutions@moxietec.com

Save the completed form and attach it to your email. We will follow up on anything left blank.