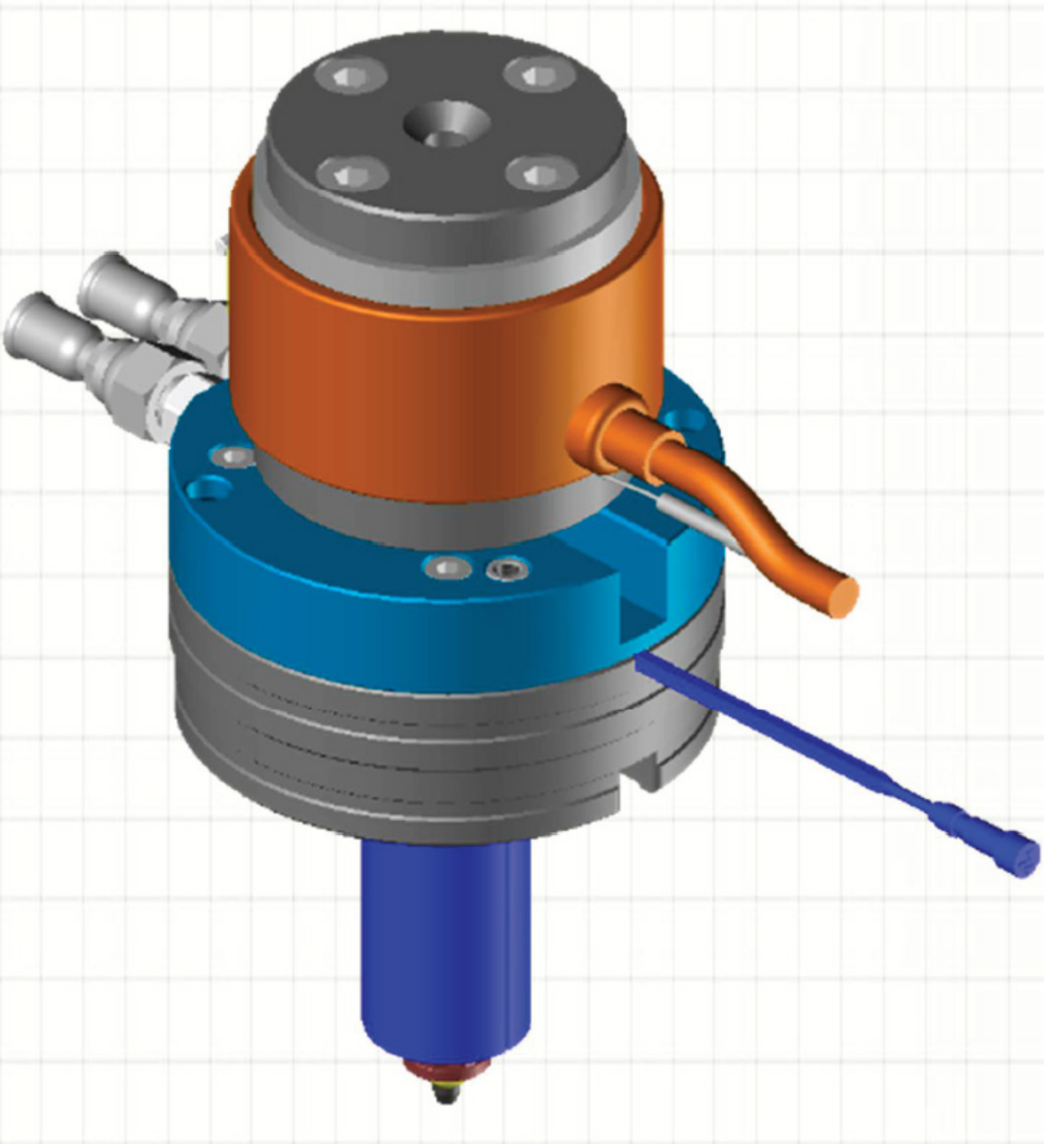
PCS COMPANY
Turn To The Industry Experts

polimold

PNEUMATIC

SINGLE NOZZLE VALVE GATE



TECHNICAL CATALOG

PCS COMPANY
Turn To The Industry Experts

polimold

SINGLE NOZZLE VALVE GATE

THE SINGLE NOZZLE VALVE GATE IS DESIGNED FOR SINGLE CAVITY MOLDS, TO TRANSFER THE RESIN FROM THE MACHINE NOZZLE UP TO THE CAVITY SURFACE WITH CONTROLLED TEMPERATURE.

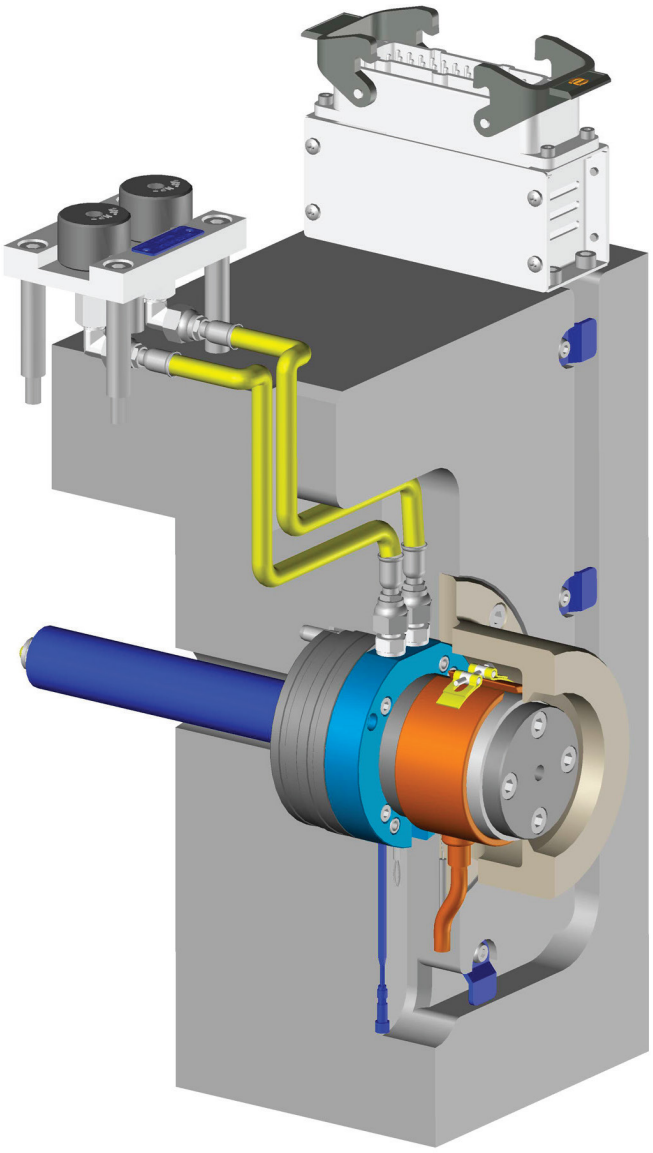
• Carefully designed to ensure the resin reaches the cavity well homogenized, without change its physical and mechanical properties.

• Tip and valve pin control the resin flow, and ensure that the product aesthetics will not be affected, leaving a imperceptible gate vestige.

• Available in 3 different versions - 500/800 and 800RF series.

• Tips for point and ring gates, developed to attend a wide range of applications.

• Pneumatic activation, for an easy and clean operation.



ITEMS SUPPLIED BY POLIMOLD:

Single Nozzle Valve Gate assembly:

• Heaters

• Thermocouples

• Valve Pin

• Valve Gate Cylinder

• Distribution Unit / Air In & Out

• Connection Block and Hoses, Electrical Connector

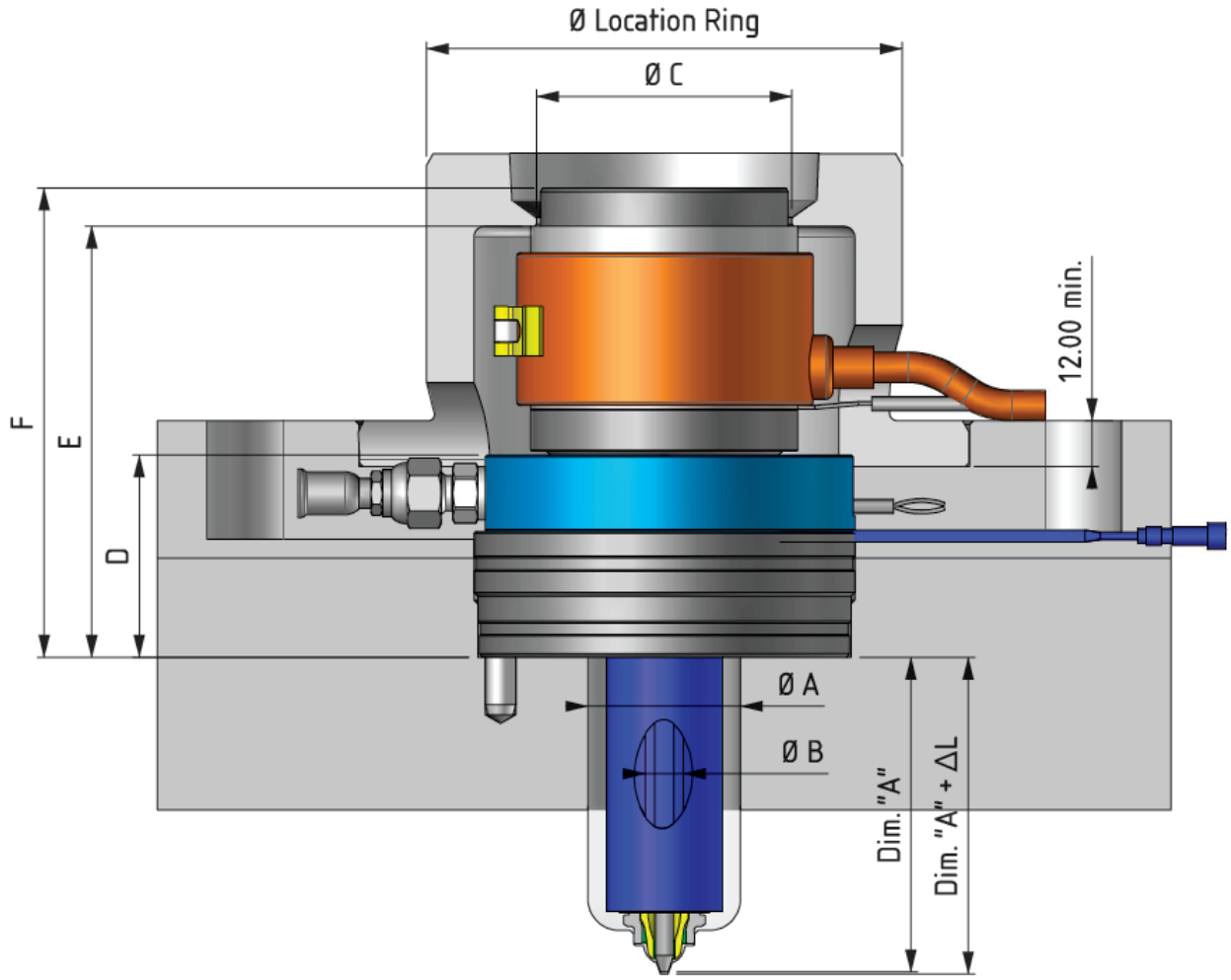
Note: Locating Ring not supplied

Phone: 800-521-0546
E-mail: sales@pcs-company.com
Fax: 800-505-3299
www.pcs-company.com

PCS COMPANY
Turn To The Industry Experts

polimold

PRODUCT TERMINOLOGY - SINGLE NOZZLE VALVE GATE



THERMAL EXPANSION FORMULA

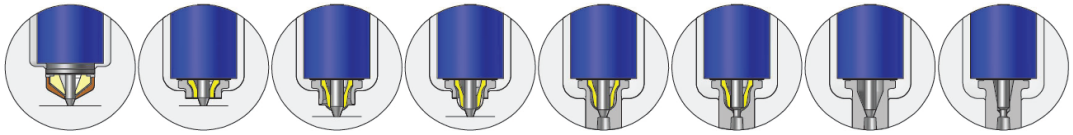
COE = 0,00001098
TCQ = Hot Runner Temperature
AΔL = Dim."A"*TCQ*COE

Item	500 Serie	800 Serie	800 RF Serie
Ø A	40.00	50.00	50.00
Ø B	10.00	16.00	16.00
Ø C	67.00	68.00	83.00
D	53.00	58.00	62.00
E	113.00	127.00	137.00
F	123.00	151.00	167.00

PCS COMPANY
Turn To The Industry Experts

polimold

MATERIAL COMPATIBILITY - VALVE GATE

	VALVE POINT GATE				VALVE RING GATE			
	PVM-TH	PVM-VA-C	PVM-VA-M	PVM-VA-L	PMA-VA-L	PMA-VP-L	PMA-VA-O	PMA-VP-O
								
Amorphous Materials								
PPO	√√	X	√√	X	√√	√√	√√	√√
PEI	√	X	√√	X	√	√	X	X
PMMA	√√	X	√√	X	√√	√√	√√	√√
ABS	√√	X	√√	X	√√	√√	√√	√√
SAN	√√	X	√√	X	√√	√√	√√	√√
PS	√√	X	√√	X	√√	√√	√√	√√
SB	√√	X	√√	X	√√	√√	√√	√√
PES	√	X	√√	X	√	√	X	X
PSU	√√	X	√√	X	√√	√√	√√	√√
PVC	√√	X	√√	X	√√	√√	√√	√√
PC	√√	X	√√	X	√√	√√	X	√√
ABS-PC	√√	X	√√	X	√√	√√	X	√√
CAB	√√	X	√√	X	√√	√√	√√	√√
TPU	√√	√	√	√	√√	√√	√√	√√
Cristalline Materials								
PE	√√	X	√√	X	√√	√√	√√	√√
PP	√√	X	√√	X	√√	√√	√√	√√
LCP	X	√	X	X	X	√	X	X
PET	√	√	√	√	√	√√	√	√
PBT	X	X	X	X	X	√√	X	√
PPS	X	√	X	X	X	√	X	X
PEEK	X	√	X	X	X	√	X	X
PA(6.6,6,610,11,12)	X	X	√√	X	√	√√	√	√
POM	X	√√	X	X	√	√√	√	√
Additives								
Flame retardants	√√	√	√√	√	√	√	√	X
Fillers	√	√	√	√	√	√	√	√
Reinforcements	√	√	√	√	√	√	√	√
Stabilizers	√√	√√	√√	√	√	√	√	√
Shear sensitive additives	√√	√√	√√	√	X	X	X	X

Phone: 800-521-0546
E-mail: sales@pcs-company.com
Fax: 800-505-3299
www.pcs-company.com