

TWO-SHOT

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SEQUENTIAL FAMILY

TWO-SHOT

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SEQUENTIAL

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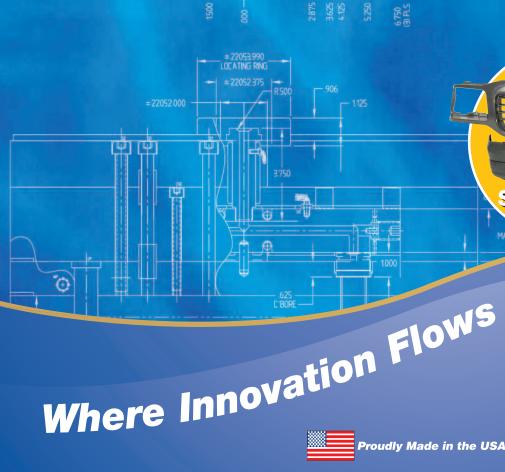
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Valve Gate Drops, Manifold Application

Valve Gate Drops, Manifold Application



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Valve Gate Drops, Manifold Application

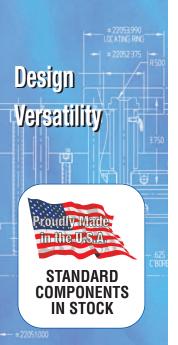
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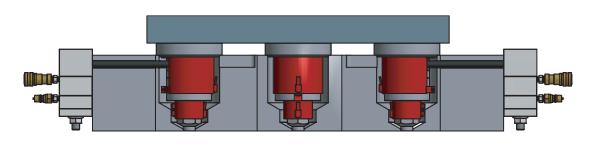
TOP OF MOLE VIEW FROM PLA

Set and Adjust Valve Pin from Outside the Mold

Manifold Thermal Expansion Concerns are Eliminated

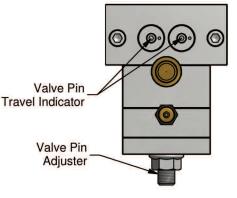


External Cylinder Valve Gate

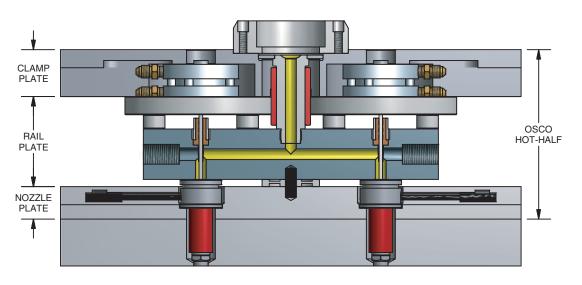


Externally Mounted Cylinder

- Reduces machining time
- Increases life by removing cylinder from heated mold



Internal Cylinder Valve Gate

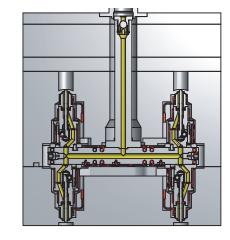


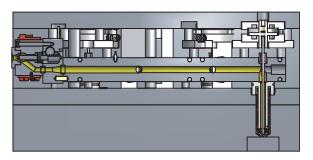


Valve Pin with Pin Guide

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Design Versatility

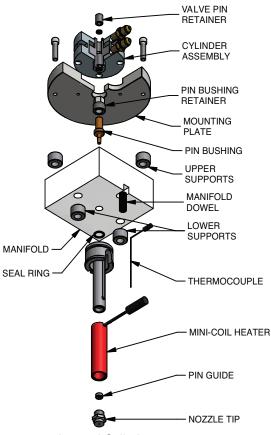




SIDE INJECT MOLD

STACK MOLD

Field Serviceable



Internal Cylinder





LENS



TWO-SHOT



SEQUENTIAL GATING



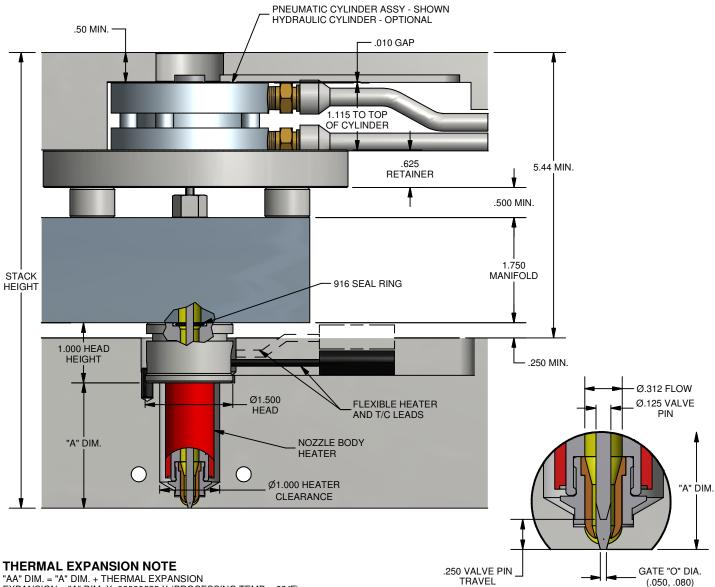


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BLV-50-VG

BODY LESS VALVE GATE NOZZLE SYSTEM, "BLV" SERIES 50

NOZZLE DESCRIPTION: OSCO Valve Gates are designed to run sequentially or with common gate open/close sequence. The Body Less Valve Gate Nozzle is designed to feed the molded part. The "BLV" is an ideal selection when gate cosmetics are paramount and the circular witness mark from the nozzle tip "T" diameter is not allowable. Each "BLV" nozzle is thermocouple controlled and incorporates a unique heater design to provide uniform nozzle heat and extended service life.



EXPANSION = "A" DIM. X .00000633 X (PROCESSING TEMP. - 68 °F)

HOW TO ORDER

CATALOG #	"A" DIM.
BLV-0520	2.000
BLV-0525	2.500
BLV-0530	3.000
BLV-0535	3.500
BLV-0540	4.000
BLV-0545	4.500
BLV-0550	5.000
BLV-0560	6.000

Specify:

- Nozzle Catalog Number
- "A" Dimension
- "O" Gate Diameter
- Stack Height: Gate to Platen side of cylinder

OSCO° inc.

· Resin to be processed

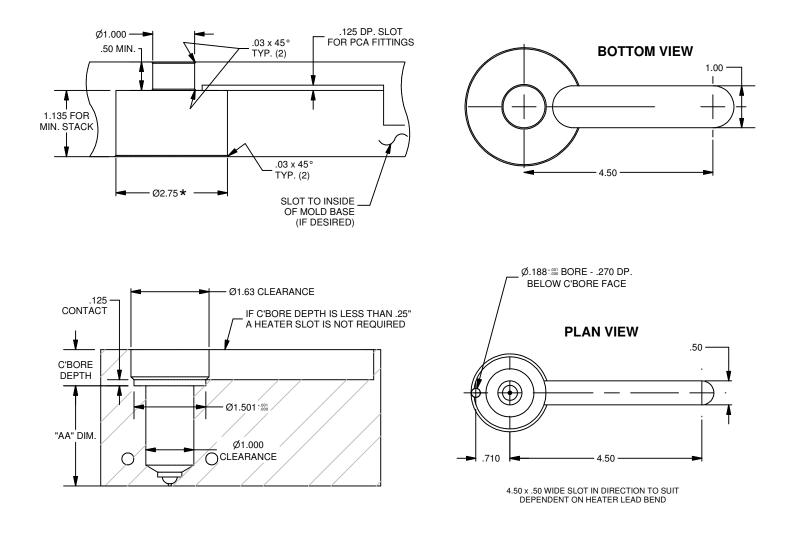
GATE "O" DIAMETERS * .050 MIN. .080 MAX.

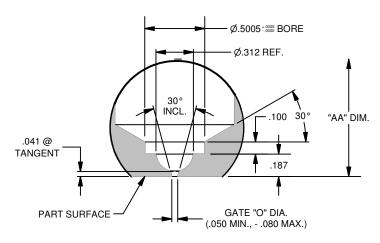
NOTE: For sizes other than shown, please contact Osco Tech Service.

BLV-50-VG BORING

BODY LESS VALVE GATE NOZZLE SYSTEM, "BLV" SERIES 50

AIR CYLINDER DETAILS



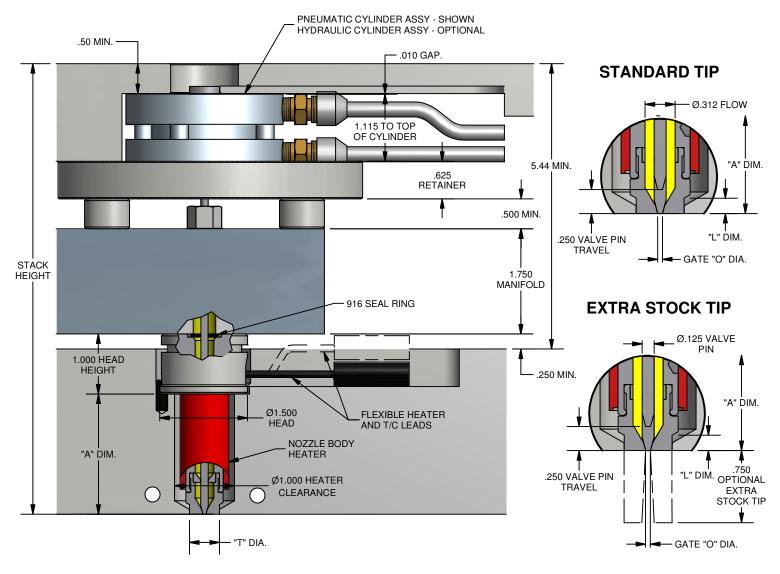


THERMAL EXPANSION NOTE "AA" DIM. = "A" DIM. (Due to the Body Less Nozzle Design, thermal expansion does not need to be considered.)

FBV-50-VG

FULL BODY VALVE GATE NOZZLE SYSTEM, "FBV" SERIES 50

NOZZLE DESCRIPTION: OSCO Valve Gates are designed to run sequentially or with common gate open/close sequence. The Full Body Valve Gate Nozzle is designed to feed the part or runner. The "FBV" is an ideal selection when the nozzle tip "T" diameter witness mark is allowable. Each "FBV" nozzle is thermocouple controlled and incorporates a unique heater design to provide uniform nozzle heat and extended service life.



THERMAL EXPANSION NOTE

"AA" DIM. = "A" DIM. + THERMAL EXPANSION EXPANSION = "A" DIM. X .00000633 X (PROCESSING TEMP. - 68°F)

HOW TO ORDER

CATALOG #	"A" DIM.
FBV-0520	2.000
FBV-0525	2.500
FBV-0530	3.000
FBV-0535	3.500
FBV-0540	4.000
FBV-0545	4.500
FBV-0550	5.000
FBV-0560	6.000

SPECIFY:

- Nozzle Catalog Number
- "A" Dimension
- "T" Diameter
- "O" Gate Diameter
- Stack Height: Gate to Platen Side of cylinder
- Resin to be processed

OSCO° inc.

GATE "O" DIAMETERS

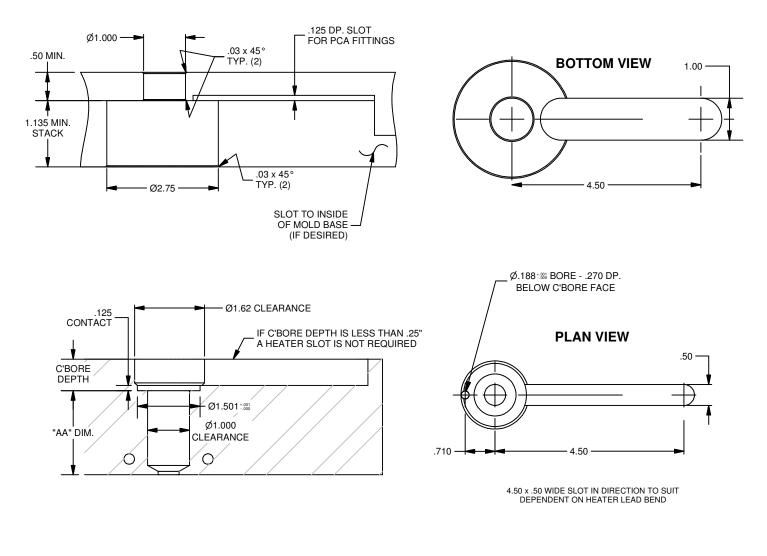
TIP INFORMATION		
"T" DIA.	"L" DIM.	
.500	.160	
.750	.150	
1.000	.150	

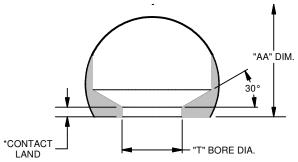
NOTE: For sizes other than shown, please contact Osco Tech Service.

FBV-50-VG BORING

FULL BODY VALVE GATE NOZZLE SYSTEM, "FBV" SERIES 50

AIR CYLINDER DETAILS





TIP INFO	RMATION	BORING INF	ORMATION
"T" DIA.	"L" DIM.	"T" DIA. +.0005 BORE0000	CONTACT LAND *
.500	.160	.5005	.080
.750	.150	.7505	.150
1.000	.150	1.0005	.150

THERMAL EXPANSION NOTE

"AA" DIM. = "A" DIM. + THERMAL EXPANSION EXPANSION = "A" DIM. X .00000633 X (PROCESSING TEMP. - 68 °F)

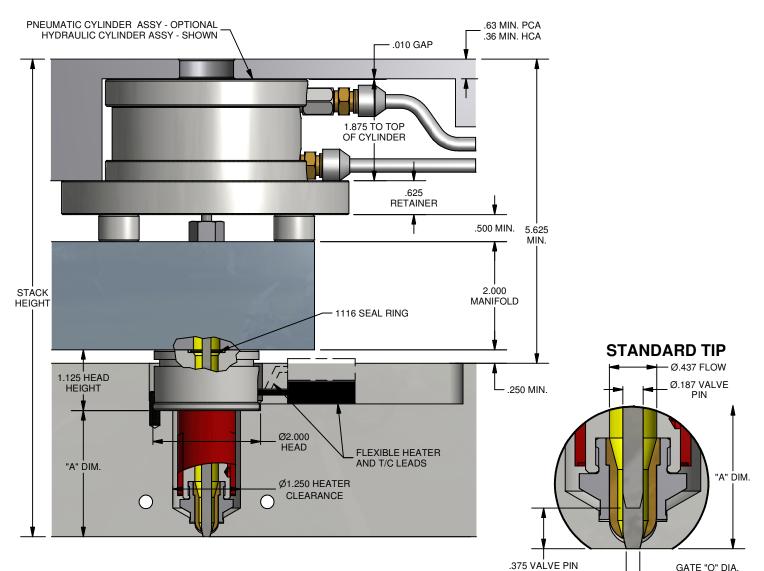
* Note: The information given here should be used as a guide. A variation in growth of any nozzle from the formulation is possible due to cooling conditions or mold configuration. It is advisable to allow a margin of safety. For some very critical applications, an empirical factor may have to be obtained.

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BLV-100-VG

BODY LESS VALVE GATE NOZZLE SYSTEM, "BLV" SERIES 100

<u>NOZZLE DESCRIPTION:</u> OSCO Valve Gates are designed to run sequentially or with common gate open/close sequence. The Body Less Valve Gate Nozzle is designed to feed the molded part. The "BLV" is an ideal selection when gate cosmetics are paramount and the circular witness mark from the nozzle tip "T" diameter is <u>not</u> allowable. Each "BLV" nozzle is thermocouple controlled and incorporates a unique heater design to provide uniform nozzle heat and extended service life.



THERMAL EXPANSION NOTE

"AA" DIM. = "A" DIM. + THERMAL EXPANSION EXPANSION = "A" DIM. X .00000633 X (PROCESSING TEMP. - 68 °F)

HOW TO ORDER

CATALOG #	"A" DIM.
BLV-1020	2.000
BLV-1025	2.500
BLV-1030	3.000
BLV-1035	3.500
BLV-1040	4.000
BLV-1045	4.500
BLV-1050	5.000
BLV-1060	6.000
BLV-1070	7.000

Specify:

- Nozzle Catalog Number
- "A" Dimension
- "O" Gate Diameter
- Stack Height: Gate to Platen side of cylinder

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RUNNERLESS MOLDING SYSTEM

• Resin to be processed

GATE "O" DIAMETERS*

TRAVEL

(.080 MIN, .150 MAX.)

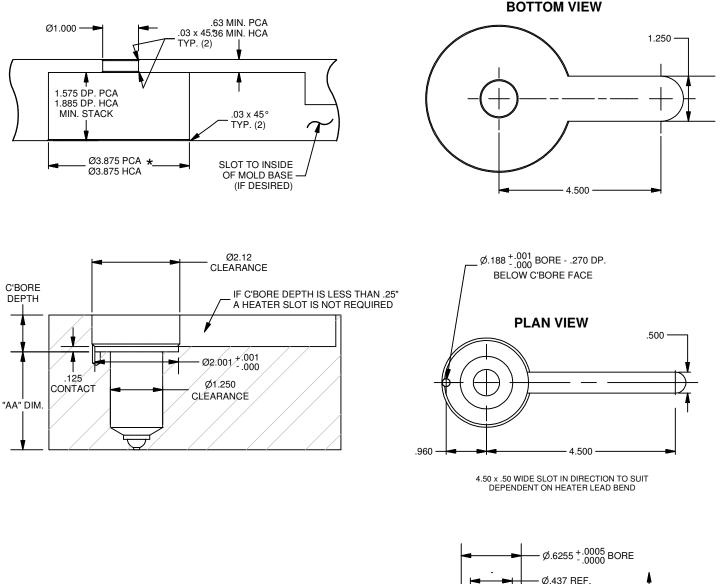
NOTE: For sizes other than shown, please contact Osco Tech Service.

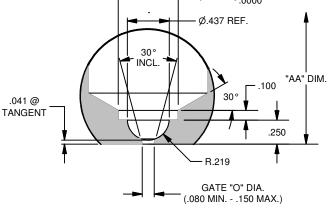
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BLV-100-VG BORING

BODYLESS VALVE GATE NOZZLE SYSTEM, "BLV" SERIES 100

CYLINDER DETAILS





THERMAL EXPANSION NOTE

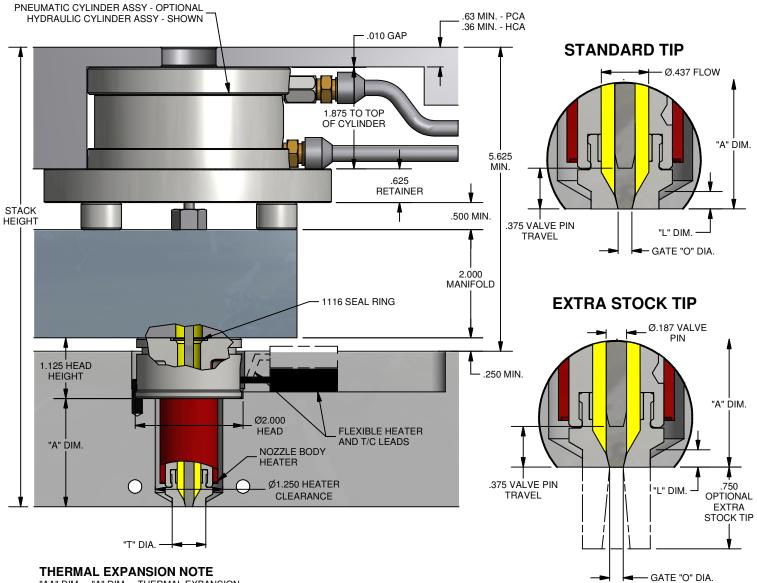
"AA" DIM. = "A" DIM. (Due to the Body Less Nozzle Design, thermal expansion does not need to be considered.)



FBV-100-VG

FULL BODY VALVE GATE NOZZLE SYSTEM, "FBV" SERIES 100

NOZZLE DESCRIPTION: OSCO Valve Gates are designed to run sequentially or with common gate open/close sequence. The Full Body Valve Gate Nozzle is designed to feed the part or runner. The "FBV" is an ideal selection when the nozzle tip "T" diameter witness mark is allowable. Each "FBV" nozzle is thermocouple controlled and incorporates a unique heater design to provide uniform nozzle heat and extended service life.



THERMAL EXPANSION NOTE

"AA" DIM. = "A" DIM. + THERMAL EXPANSION EXPANSION = "A" DIM. X .00000633 X (PROCESSING TEMP. - 68°F)

HOW TO ORDER

CATALOG #	"A" DIM.
FBV-1020	2.000
FBV-1025	2.500
FBV-1030	3.000
FBV-1035	3.500
FBV-1040	4.000
FBV-1045	4.500
FBV-1050	5.000
FBV-1060	6.000
FBV-1070	7.000

Specify:

- Nozzle Catalog Number
- "A" Dimension
- "T" Diameter
- "O" Gate Diameter
- Stack Height: Gate to Platen side of cylinder

OSCO° inc.

· Resin to be processed

GATE "O" DIAMETERS

.080	.125

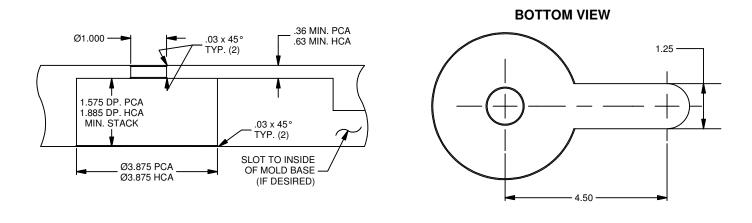
TIP INFORMATION		
"T" DIA.	"L" DIM.	
.500	.125	
.750	.150	
1.000	.150	

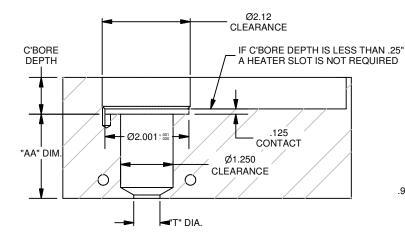
NOTE: For sizes other than shown, please contact Osco Tech Service.

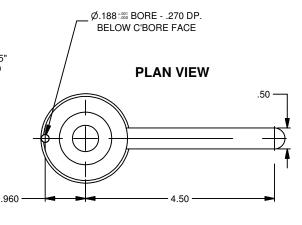
FBV-100-VG BORING

FULL BODY VALVE GATE NOZZLE SYSTEM, "FBV" SERIES 100

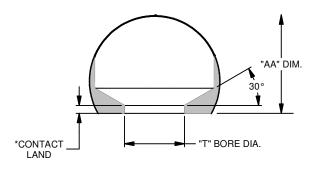
CYLINDER DETAILS







4.50 x .50 WIDE SLOT IN DIRECTION TO SUIT DEPENDENT ON HEATER LEAD BEND



	RMATION	BORING INF	ORMATION
"T" DIA.	"L" DIM.	"T" DIA. _{+.0005} BORE0000	CONTACT LAND *
.500	.125	.5005	.060
.750	.230	.7505	.080
1.000	.150	1.0005	.150

THERMAL EXPANSION NOTE

"AA" DIM. = "A" DIM. + THERMAL EXPANSION EXPANSION = "A" DIM. X .00000633 X (PROCESSING TEMP. - 68 $^\circ$ F)

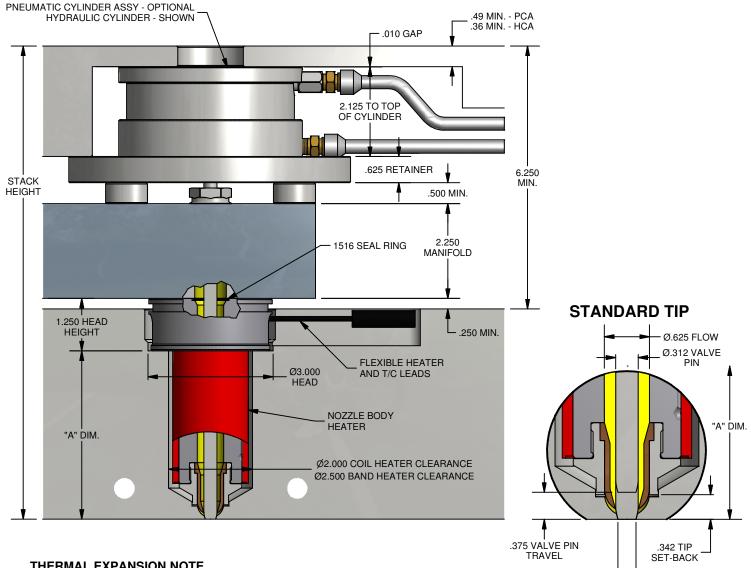
* Note: The information given here should be used as a guide. A variation in growth of any nozzle from the formulation is possible due to cooling conditions or mold configuration. It is advisable to allow a margin of safety. For some very critical applications, an empirical factor may have to be obtained.

OSCO° inc.

BLV-200-VG

BODY LESS VALVE GATE NOZZLE SYSTEM, "BLV" SERIES 200

NOZZLE DESCRIPTION: OSCO Valve Gates are designed to run sequentially or with common gate open/close sequence. The Body Less Valve Gate Nozzle is designed to feed the molded part. The "BLV" is an ideal selection when gate cosmetics are paramount and the circular witness mark from the nozzle tip "T" diameter is not allowable. Each "BLV" nozzle is thermocouple controlled and incorporates a unique heater design to provide uniform nozzle heat and extended service life.



THERMAL EXPANSION NOTE

"AA" DIM. = "A" DIM. + THERMAL EXPANSION EXPANSION = "A" DIM. X .00000633 X (PROCESSING TEMP. - 68 °F)

HOW TO ORDER

CATALOG #	"A" DIM.
BLV-2030	3.000
BLV-2040	4.000
BLV-2050	5.000
BLV-2060	6.000
BLV-2070	7.000
BLV-2080	8.000
BLV-2090	9.000
BLV-2100	10.000

Specify:

- Nozzle Catalog Number
- "A" Dimension
- "O" Gate Diameter
- Stack Height: Gate to Platen side of cylinder
- Resin to be processed

OSCO° inc.

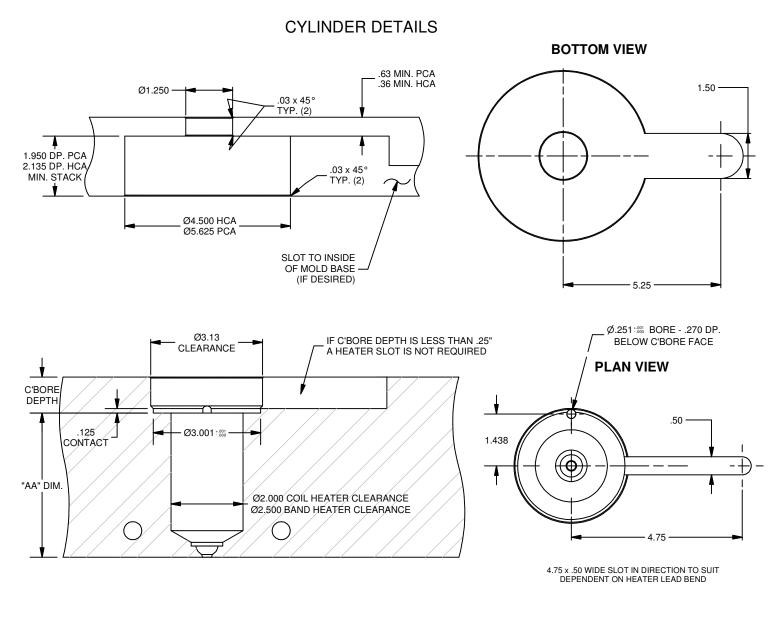
GATE "O" DIAMETERS * 150 MIN. .250 MAX.

GATE "O" DIA. -

NOTE: For sizes other than shown, please contact Osco Tech Service.

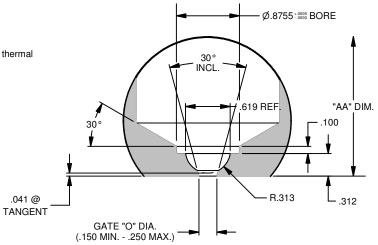
BLV-200-VG BORING

BODY LESS VALVE GATE NOZZLE SYSTEM, "BLV" SERIES 200



THERMAL EXPANSION NOTE

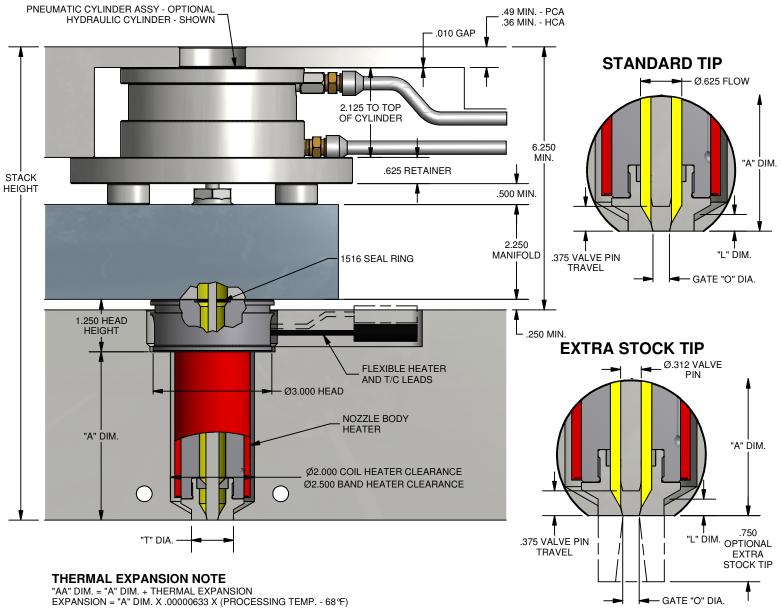
"AA" DIM. = "A" DIM. (Due to the Body Less Nozzle Design, thermal expansion does not need to be considered.)



FBV-200-VG

FULL BODY VALVE GATE NOZZLE SYSTEM, "FBV" SERIES 200

NOZZLE DESCRIPTION: OSCO Valve Gates are designed to run sequentially or with common gate open/close sequence. The Full Body Valve Gate Nozzle is designed to feed the part or runner. The "FBV" is an ideal selection when the nozzle tip "T" diameter witness mark is allowable. Each "FBV" nozzle is thermocouple controlled and incorporates a unique heater design to provide uniform nozzle heat and extended service life.



HOW TO ORDER

CATALOG #	"A" DIM.
FBV-2040	4.000
FBV-2050	5.000
FBV-2060	6.000
FBV-2070	7.000
FBV-2080	8.000
FBV-2090	9.000
FBV-2100	10.000

Specify:

- Nozzle Catalog Number
- "A" Dimension
- "T" Diameter
- "O" Gate Diameter
- Stack Height: Gate to Platen side of cylinder

OSCO° inc.

MOLDING

· Resin to be processed

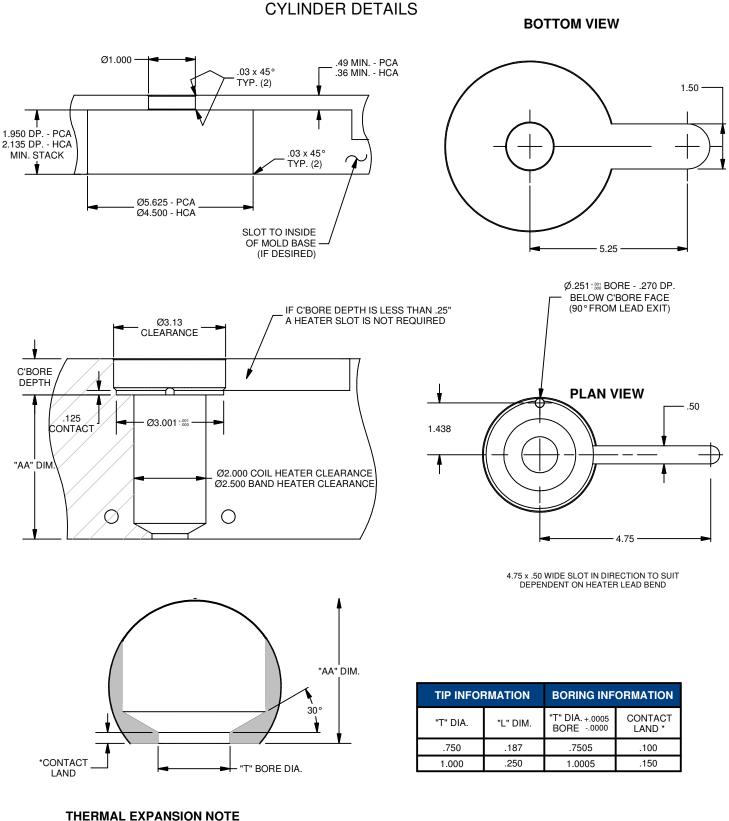
GATE "O" DIAMETERS .150 MIN. .250 MAX.

TIP INFORMATION	
"T" DIA.	"L" DIM.
.750	.187
1.000	.250

NOTE: For sizes other than shown, please contact Osco Tech Service.

FBV-200-VG BORING

FULL BODY VALVE GATE NOZZLE SYSTEM, "FBV" SERIES 200

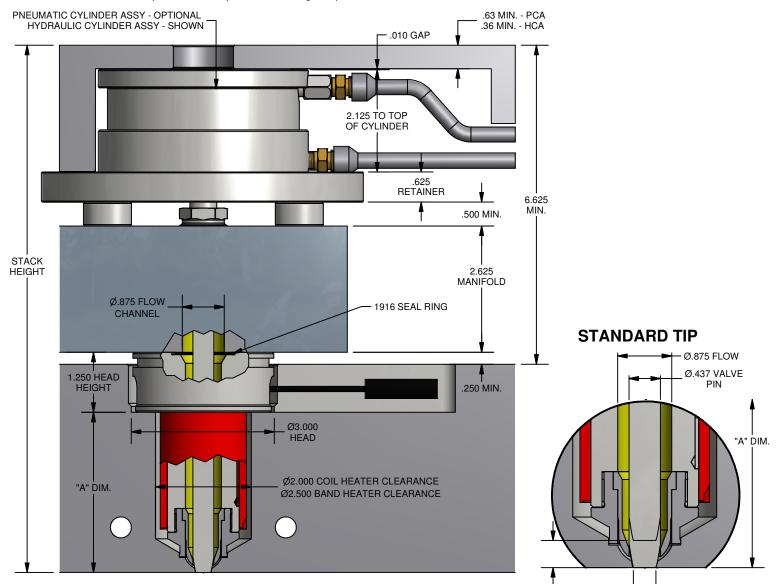


THERMAL EXPANSION NOTE "AA" DIM. = "A" DIM. + THERMAL EXPANSION EXPANSION = "A" DIM. X .0000633 X (PROCESSING TEMP. - 68 °F)

BLV-300-VG

BODY LESS VALVE GATE NOZZLE SYSTEM, "BLV" SERIES 300

<u>NOZZLE DESCRIPTION:</u> OSCO Valve Gates are designed to run sequentially or with common gate open/close sequence. The Body Less Valve Gate Nozzle is designed to feed the molded part. The "BLV" is an ideal selection when gate cosmetics are paramount and the circular witness mark from the nozzle tip "T" diameter is <u>not</u> allowable. Each "BLV" nozzle is thermocouple controlled and incorporates a unique heater design to provide uniform nozzle heat and extended service life.



THERMAL EXPANSION NOTE

"AA" DIM. = "A" DIM. + THERMAL EXPANSION EXPANSION = "A" DIM. X .00000633 X (PROCESSING TEMP. - 68°F)

HOW TO ORDER

CATALOG #	"A" DIM.
BLV-3030	3.000
BLV-3040	4.000
BLV-3050	5.000
BLV-3060	6.000
BLV-3070	7.000
BLV-3080	8.000
BLV-3090	9.000
BLV-3100	10.000

Specify:

- Nozzle Catalog Number
- "A" Dimension
- "O" Gate Diameter
- Stack Height: Gate to Platen side of cylinder

OSCO° inc.

• Resin to be processed

GATE "O" DIAMETERS *	
.250 MIN.	.375 MAX.

.375 VALVE PIN

TRAVEL

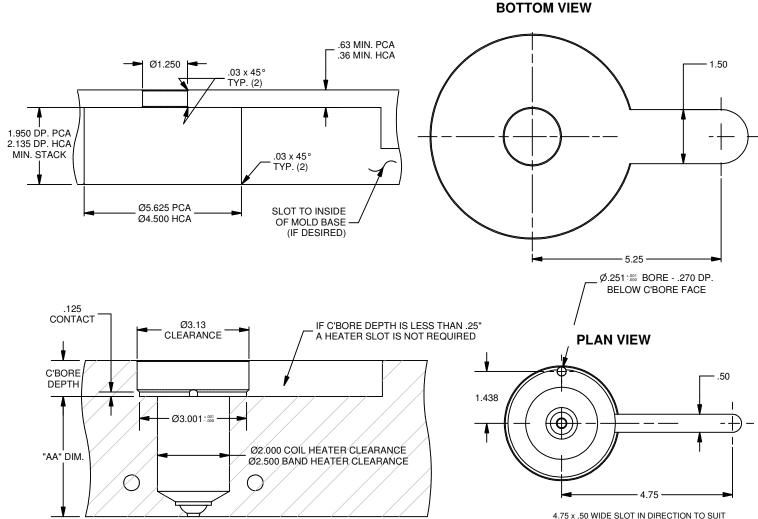
GATE "O" DIA.

NOTE: For sizes other than shown, please contact Osco Tech Service.

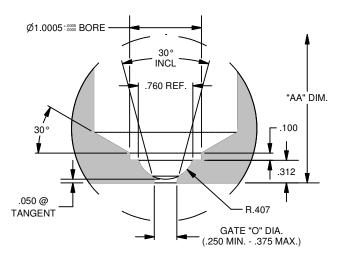
BLV-300-VG BORING

BODY LESS VALVE GATE NOZZLE SYSTEM, "BLV" SERIES 300

CYLINDER DETAILS



DEPENDENT ON HEATER LEAD BEND



THERMAL EXPANSION NOTE

"AA" DIM. = "A" DIM. (Due to the Body Less Nozzle Design, thermal expansion does not need to be considered.)

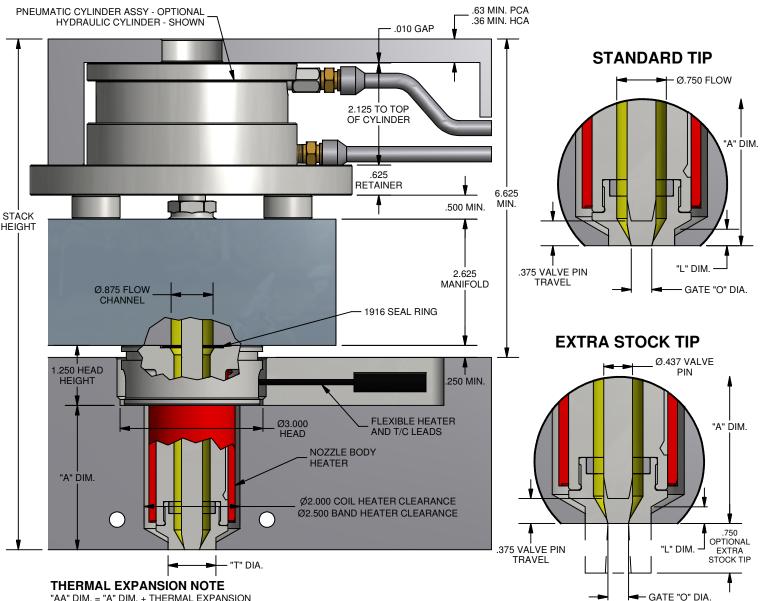
* Note: The information given here should be used as a guide. A variation in growth of any nozzle from the formulation is possible due to cooling conditions or mold configuration. It is advisable to allow a margin of safety. For some very critical applications, an empirical factor may have to be obtained.

OSCO° inc.

FBV-300-VG

FULL BODY VALVE GATE NOZZLE SYSTEM, "FBV" SERIES 300

<u>NOZZLE DESCRIPTION</u>: OSCO Valve Gates are designed to run sequentially or with common gate open/close sequence. The Full Body Valve Gate Nozzle is designed to feed the part or runner. The "FBV" is an ideal selection when the nozzle top "T" diameter witness mark is allowable. Each "FBV" nozzle is thermocouple controlled and incorporates a unique heater design to provide uniform nozzle heat and extended service life.



"AA" DIM. = "A" DIM. + THERMAL EXPANSION EXPANSION = "A" DIM. X .00000633 X (PROCESSING TEMP. - 68°F)

HOW TO ORDER

CATALOG #	"A" DIM.
FBV-3030	3.000
FBV-3040	4.000
FBV-3050	5.000
FBV-3060	6.000
FBV-3070	7.000
FBV-3080	8.000
FBV-3090	9.000
FBV-3100	10.000

Specify:

- Nozzle Catalog Number
- "A" Dimension
- "T" Diameter
- "O" Gate Diameter
- Stack Height: Gate to Platen side of cylinder

OSCO° inc.

• Resin to be processed

GATE "O" DIAMETERS

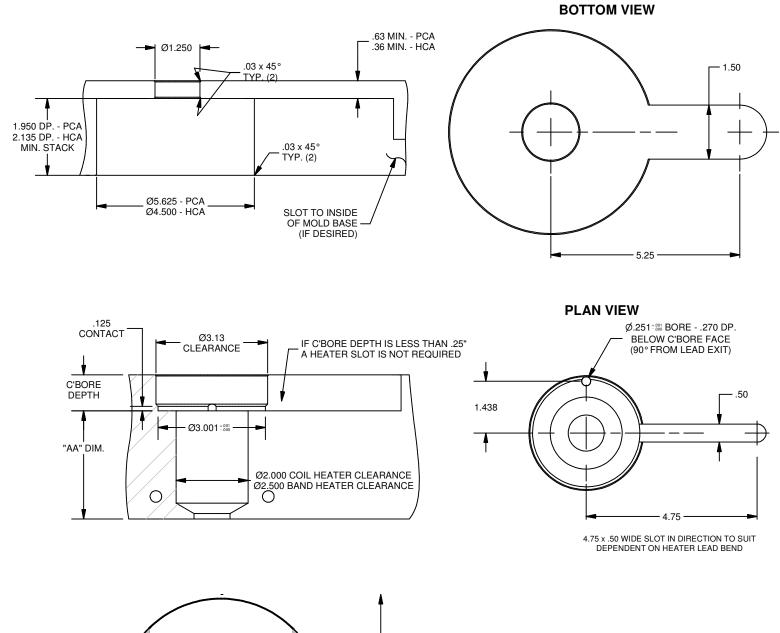
TIP INFORMATION		
"T" DIA.	"L" DIM.	
1.000	.150	

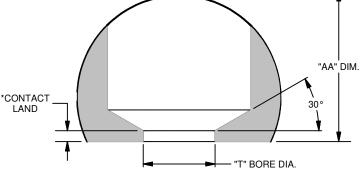
NOTE: For sizes other than shown, please contact Osco Tech Service.

FBV-300-VG BORING

FULL BODY VALVE GATE NOZZLE SYSTEM, "FBV" SERIES 300

CYLINDER DETAILS





THERMAL EXPANSION NOTE

"AA" DIM. = "A" DIM. + THERMAL EXPANSION EXPANSION = "A" DIM. X .00000633 X (PROCESSING TEMP. - 68 °F)

* Note: The information given here should be used as a guide. A variation in growth of any nozzle from the formulation is possible due to cooling conditions or mold configuration. It is advisable to allow a margin of safety. For some very critical applications, an empirical factor may have to be obtained.

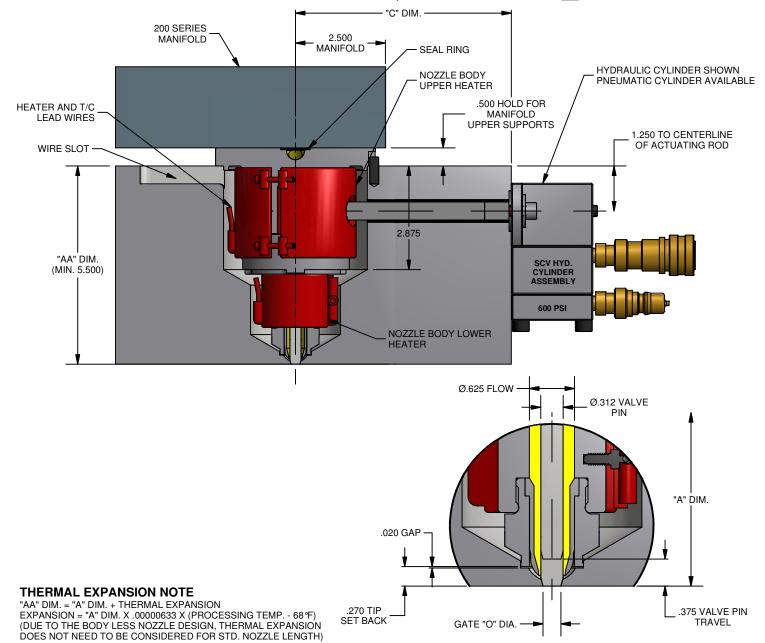
	RMATION	TION BORING INFORMATI	
"T" DIA.	"L" DIM.	"T" DIA. +.0005 BORE0000	CONTACT LAND *
1.000	.250	1.0005	.150

OSCO° inc.

SCBM-200

Self Contained Body Less Valve Gate Nozzle System, "SCBM" SERIES 200

<u>NOZZLE DESCRIPTION</u>: The "SCBM" Nozzle Systems are engineered for manifold applications. The 200 Series "SCBM" Nozzle is designed to fill small to medium sized parts. The nozzle utilizes Ø.375" flow channels with up to a Ø.250" gate diameter, permitting faster fills and better quality molded parts. Each nozzle is furnished with two zones of temperature control. The "SCBM" Nozzle is an ideal choice when the nozzle tip "T" diameter witness mark is <u>not</u> allowable.



HOW TO ORDER

CATALOG #	"A" DIM.
SCBM-2055	5.500
SCBM-2060	6.000
SCBM-2065	6.500
SCBM-2070	7.000
SCBM-2075	7.500
SCBM-2080	8.000
SCBM-2090	9.000

Specify:

- Nozzle Catalog Number
- "A" Dimension
- "O" Gate Diameter
- "C" Dimension
- Resin To Be Processed

GATE "O" DI	GATE "O" DIAMETER *		
MIN.	Ø.062		
MAX.	Ø.250		

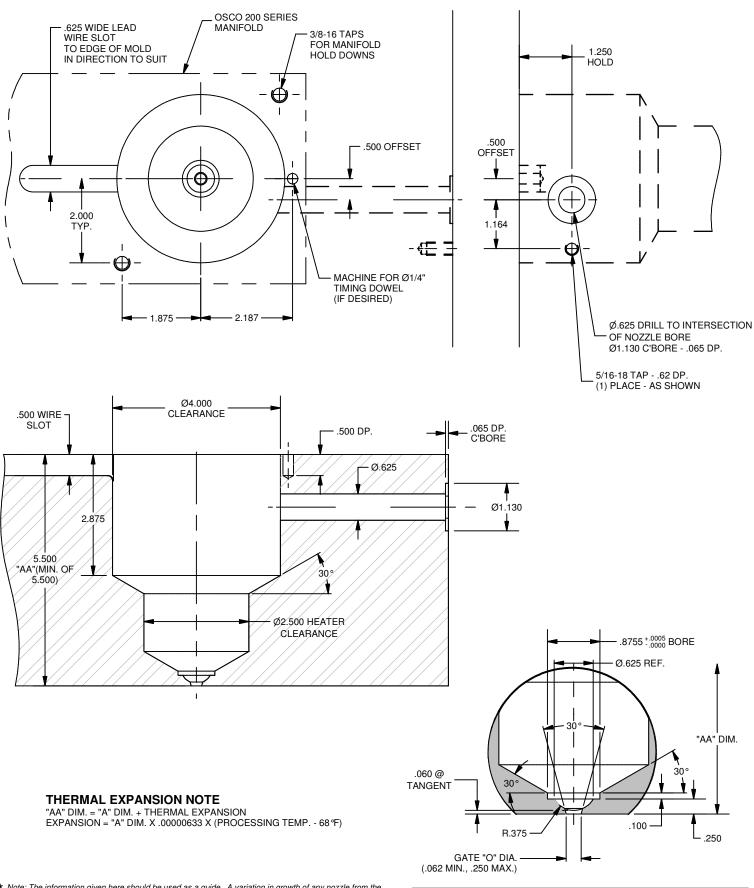
NOTE: For sizes other than shown, please contact Osco Tech Service.

Note: The information given here should be used as a guide. A variation in growth of any nozzle from the formulation is possible due to cooling conditions or mold configuration. It is advisable to allow a margin of safety. For some very critical applications, an empirical factor may have to be obtained.

OSCO° inc.

SCBM-200 BORING

Self Contained Body Less Valve Gate Nozzle System, "SCBM" SERIES 200 - Machining Details

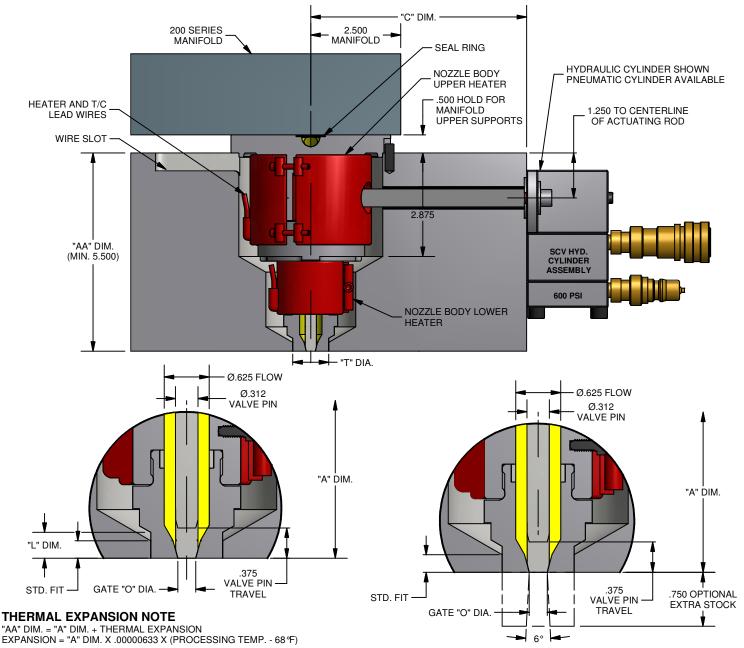


OSCO° inc.

SCFM-200

Self Contained Full Body Valve Gate Nozzle System, "SCFM" SERIES 200

<u>NOZZLE DESCRIPTION</u>: The "SCFM" Nozzle Systems are engineered for manifold applications. The 200 Series "SCFM" Nozzle is designed to fill small to medium sized parts. The nozzle utilizes Ø.375" flow channels with up to a Ø.250" gate diameter, permitting faster fills and better quality molded parts. Each nozzle is furnished with two zones of temperature control. The "SCFM" Nozzle is an ideal choice when the nozzle tip "T" diameter witness mark is allowable.



HOW TO ORDER

CATALOG #	"A" DIM.
SCFM-2055	5.500
SCFM-2060	6.000
SCFM-2065	6.500
SCFM-2070	7.000
SCFM-2075	7.500
SCFM-2080	8.000
SCFM-2090	9.000

Specify:

- Nozzle Catalog Number
- "A" Dimension
- "O" Gate Diameter
- "C" Dimension
- Resin To Be Processed

OSCO° inc.

GATE "O" DIAMETER	٦.
.062 .125 .25	50

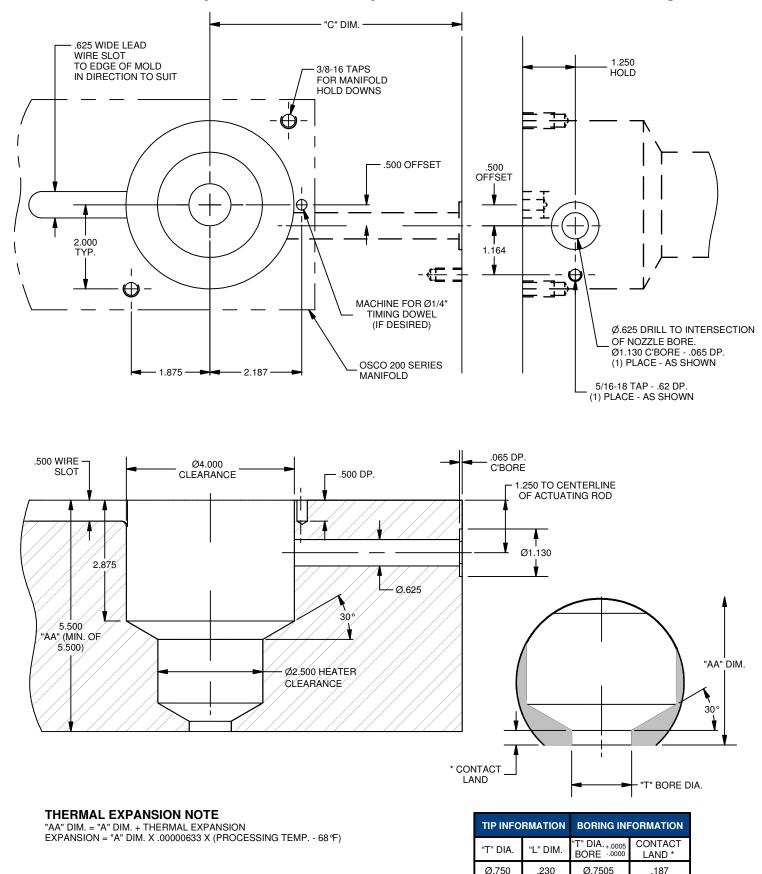
TIP INFORMATION		
"T" DIA.	"L" DIM.	
Ø.750	.230	
Ø1.000	.359	

NOTE: For sizes other than shown, please contact Osco Tech Service.

19.0

SCFM-200 BORING

Self Contained Full Body Valve Gate Nozzle System, "SCFM" SERIES 200 - Machining Details



* Note: The information given here should be used as a guide. A variation in growth of any nozzle from the formulation is possible due to cooling conditions or mold configuration. It is advisable to allow a margin of safety. For some very critical applications, an empirical factor may have to be obtained.



Ø1.000

.359

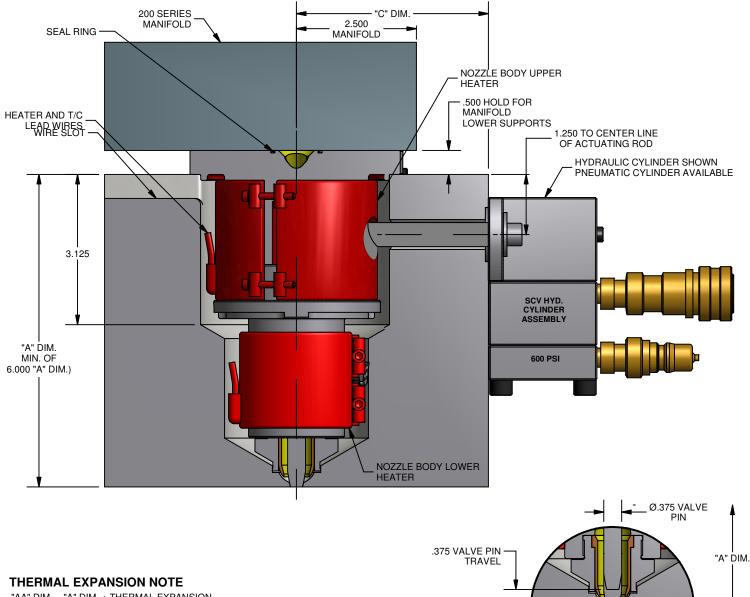
Ø1.0005

.250

SCBM-400

Self Contained Body Less Valve Gate Nozzle System, "SCBM" SERIES 400

<u>NOZZLE DESCRIPTION</u>: The 400 Series "SCBM" Nozzle is designed to fill large parts. The nozzle utilizes Ø.437" flow channels with up to a Ø.312" gate diameter, permitting faster fills and better quality molded parts. Each nozzle is furnished with two zones of temperature control. The "SCBM" Nozzle is an ideal choice when the nozzle tip "T" diameter witness mark is <u>not</u> allowable.



"AA" DIM. = "A" DIM. + THERMAL EXPANSION EXPANSION = "A" DIM. X .00000633 X (PROCESSING TEMP. - 68 °F) (DUE TO THE BODY LESS NOZZLE DESIGN, THERMAL EXPANSION DOES NOT NEED TO BE CONSIDERED FOR STD. NOZZLE LENGTH)

HOW TO ORDER

·	
CATALOG #	"A" DIM.
SCBM-4060	6.000
SCBM-4070	7.000
SCBM-4080	8.000
SCBM-4090	9.000
SCBM-4100	10.000

Specify:

- Nozzle Catalog Number
- "A" Dimension
- "O" Gate Diameter
- "C" Dimension
- "R" Radius Pocket
- Resin To Be Processed

OSCO° inc.

NOTE: For sizes other than shown, please contact Osco Tech Service.

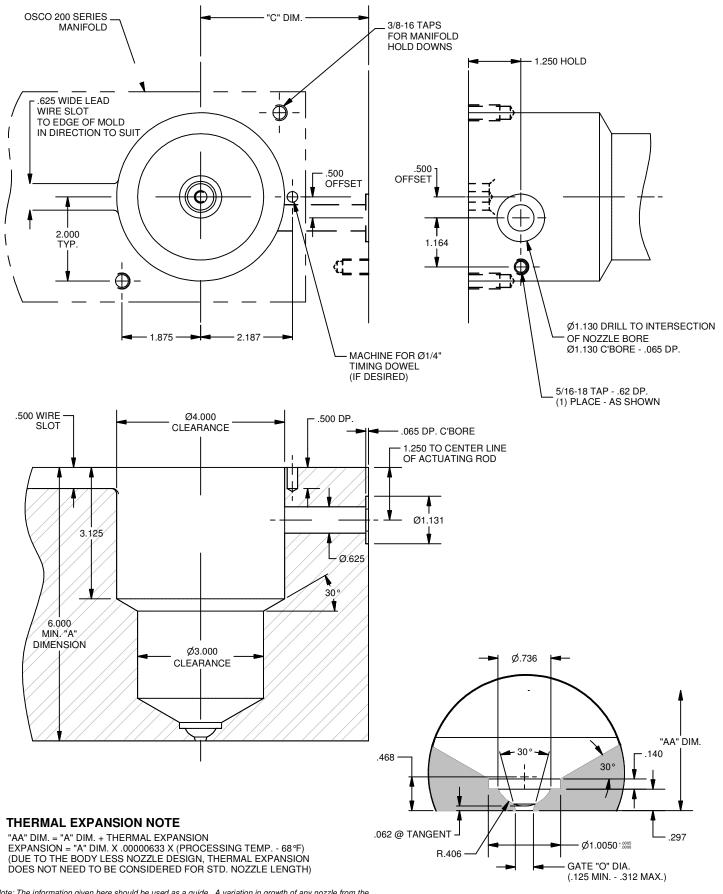
* Note: The information given here should be used as a guide. A variation in growth of any nozzle from the formulation is possible due to cooling conditions or mold configuration. It is advisable to allow a margin of safety. For some very critical applications, an empirical factor may have to be obtained.

GATE "O" DIAMETER *		
MIN.	Ø.125	
MAX.	Ø.312	

GATE "O" DIA.

SCBM-400 BORING

Self Contained Body Less Valve Gate Nozzle System, "SCBM" SERIES 400 - Machining Details

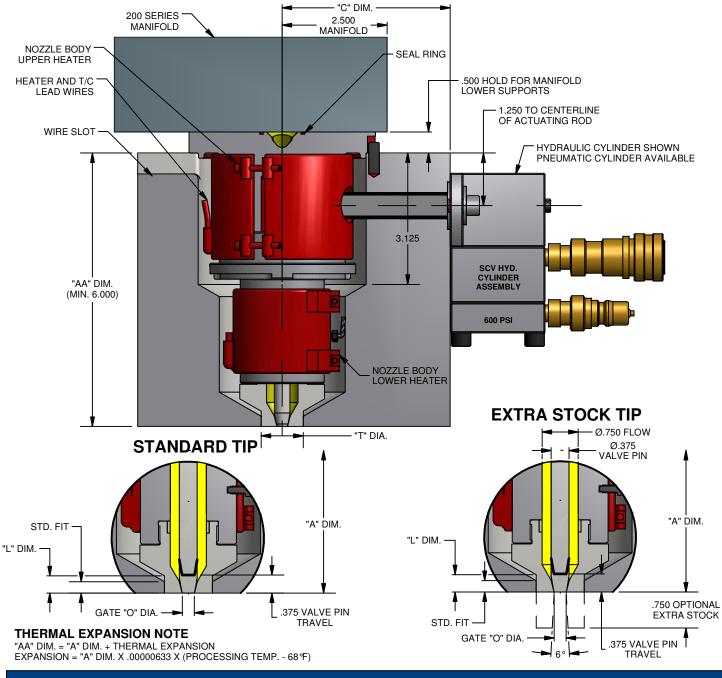


OSCO° inc.

SCFM-400

Self Contained Full Body Valve Gate Nozzle System, "SCFM" SERIES 400

<u>NOZZLE DESCRIPTION</u>: The "SCFM" Nozzle Systems are engineered for manifold applications. The 400 Series "SCFM" Nozzle is designed to fill large parts. The nozzle utilizes Ø.4375" flow channels with up to a Ø.313" gate diameter, permitting faster fills and better quality molded parts. Each nozzle is furnished with two zones of temperature control. The "SCFM" Nozzle is an ideal choice when the nozzle tip "T" diameter witness mark is allowable.



HOW TO ORDER

CATALOG #	"A" DIM.
SCFM-4060	6.000
SCFM-4065	6.500
SCFM-4070	7.000
SCFM-4075	7.500
SCFM-4080	8.000
SCFM-4090	9.000
SCFM-4100	10.000

Specify:

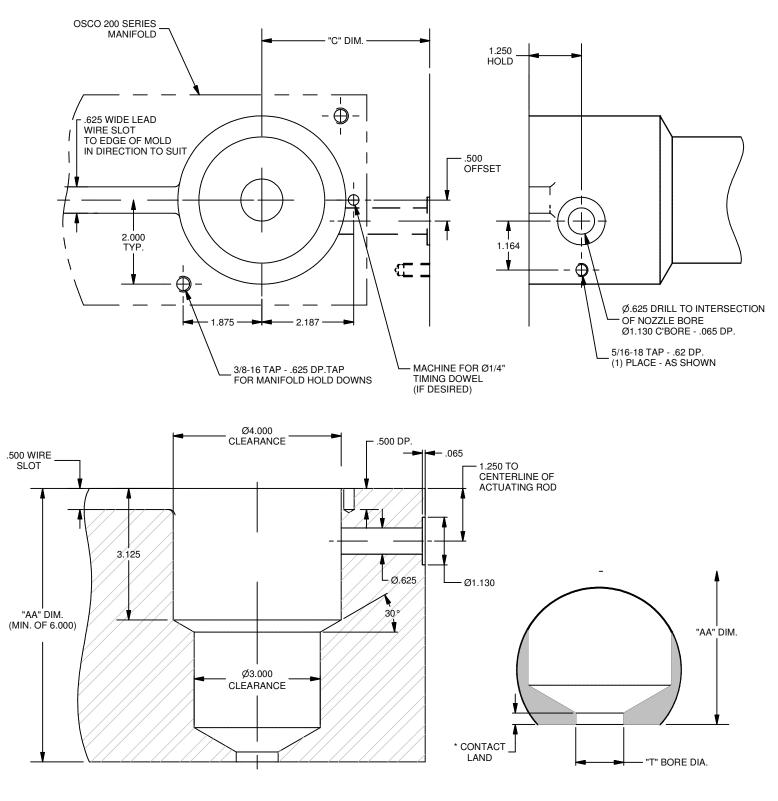
- Nozzle Catalog Number
- "A" Dimension
- "T" Tip Diameter
- "O" Gate Diameter
- "C" Dimension
- Resin To Be Processed

GATE "O" DIAMETER			
.125	.312		

TIP INFORMATION		
"T" DIA.	"L" DIM.	
Ø.750	.230	
Ø1.000	.359	

SCFM-400 BORING

Self Contained Full Body Valve Gate Nozzle System, "SCFM" SERIES 400 - Machining Details



TIP INFO	RMATION	BORING INFORMATION	
"T" DIA.	"L" DIM.	"T" DIA. _{+.0005} BORE0000	CONTACT LAND *
Ø.750	.230	Ø.7505	.187
Ø1.000	.359	Ø1.0005	.250

* Note: The information given here should be used as a guide. A variation in growth of any nozzle from the formulation is possible due to cooling conditions or mold configuration. It is advisable to allow a margin of safety. For some very critical applications, an empirical factor may have to be obtained.

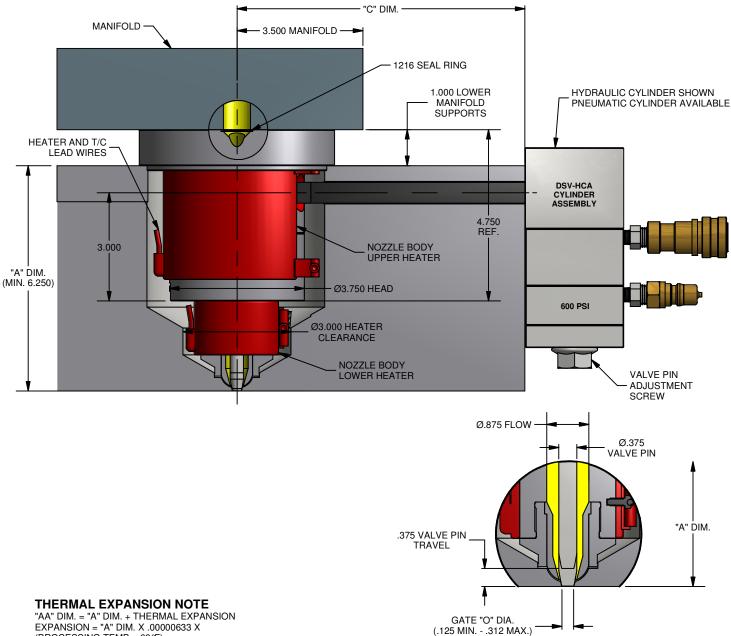
EXPANSION = "A" DIM. X .00000633 X (PROCESSING TEMP. - 68 °F)

THERMAL EXPANSION NOTE "AA" DIM. = "A" DIM. + THERMAL EXPANSION

DMB-500

Dual Self Contained Body Less Valve Gate Nozzle System, Manifold Application

NOZZLE DESCRIPTION: The "DMB" 500 Nozzle Assembly is a robust valve gate system engineered for the most demanding applications. The 500 Series "DMB" Nozzle is designed to fill large sized parts. Available with up to Ø.312 gate diameter and designed with two zones of temperature control. The "DMB" Nozzle is an ideal choice when the nozzle tip "T" diameter witness mark is not allowable.



EXPANSION = "A" DIM. X .00000633 X (PROCESSING TEMP. - 68°F)

HOW TO ORDER

CATALOG #	"A" DIM.
DMB-5062	6.250
DMB-5067	6.750
DMB-5072	7.250
DMB-5077	7.750
DMB-5082	8.250
DMB-5087	8.750
DMB-5097	9.750

Specify:

- Nozzle Catalog Number
- "A" Dimension
- "O" Gate Diameter
- "C" Dimension
- Resin To Be Processed

OSCO° inc.

NOTE: For sizes other than shown, please contact Osco Tech Service.

* Note: The information given here should be used as a guide. A variation in growth of any nozzle from the formulation is possible due to cooling conditions or mold configuration. It is advisable to allow a margin of safety. For some very critical applications, an empirical factor may have to be obtained.

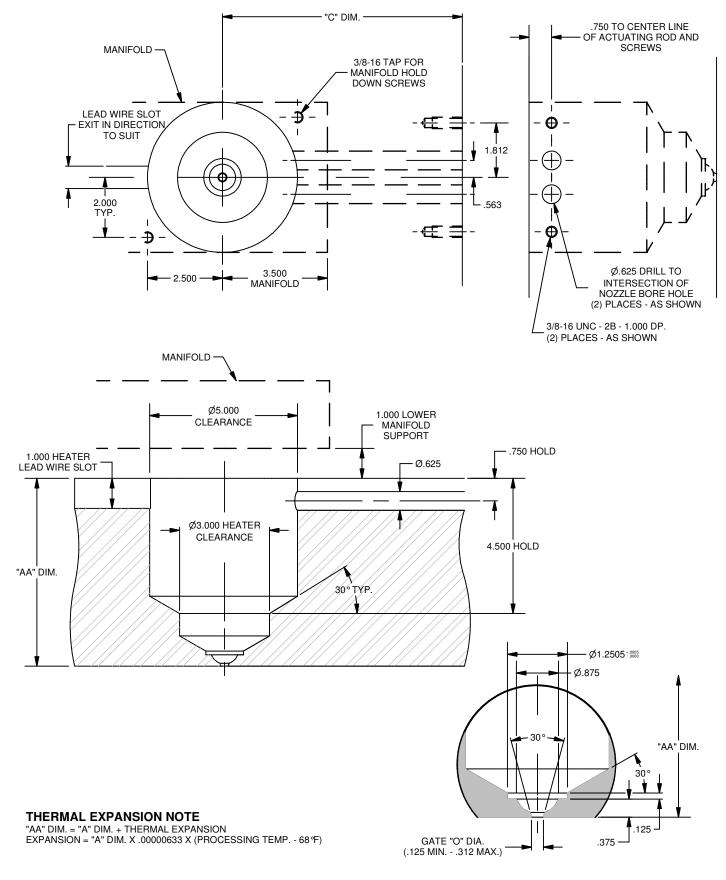
GATE "O" DIAMETERS

.312 MAX.

125 MIN.

DMB-500 BORING

Dual Self Contained Body Less Valve Gate Nozzle System, Manifold Application - Machining Details

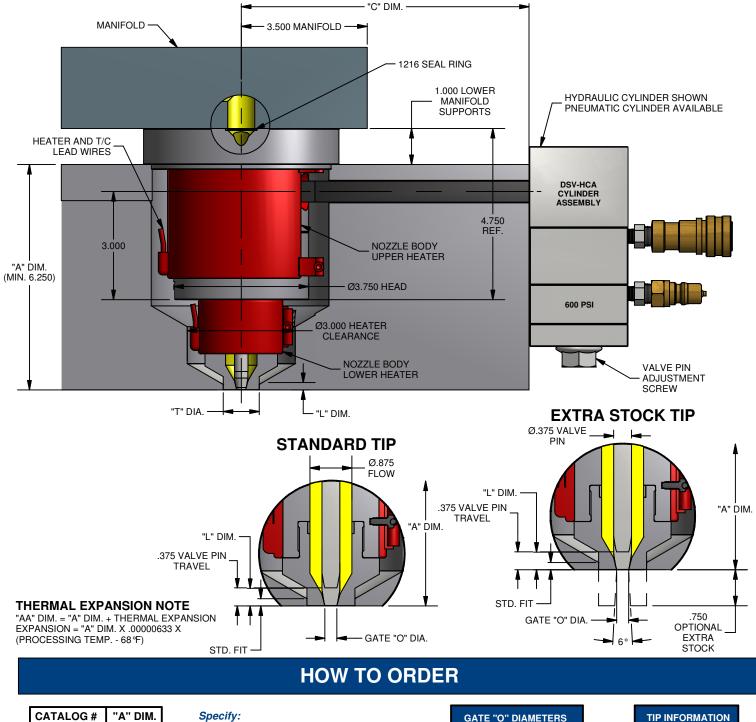


OSCO° inc.

DMF-500

Dual Self Contained Full Body Valve Gate Nozzle System, Manifold Application

NOZZLE DESCRIPTION: The "DMF-500" Nozzle Assembly is engineered for manifold applications. The 500 series "DMF" nozzle is designed to fill large size parts. The 500 "DMF" Nozzle is a robust valve gate system engineered for the most demanding applications. Available with up to a Ø.312 gate diameter, the "DMF" Nozzle is an ideal choice when the nozzle tip "T" diameter witness mark is allowable.



CATALOG #	"A" DIM.
DMF-5062	6.250
DMF-5067	6.750
DMF-5072	7.250
DMF-5077	7.750
DMF-5082	8.250
DMF-5087	8.750
DMF-5097	9.750

Specify:

- Nozzle Catalog Number
- "A" Dimension
- "O" Gate Diameter
- "T" Tip Diameter
- "C" Dimension
- Resin To Be Processed

OSCO° inc.

NNERLESS MOLDING SYSTEM

.250

125

NOTE: For sizes other than shown, please contact Osco Tech Service.

* Note: The information given here should be used as a guide. A variation in growth of any nozzle from the formulation is possible due to cooling conditions or mold configuration. It is advisable to allow a margin of safety. For some very critical applications, an empirical factor may have to be obtained

.312

"T" DIA

Ø1 000

Ø1.250

"L" DIM.

359'

359'

DMF-500 BORING

Dual Self Contained Full Body Valve Gate Nozzle System, Manifold Application - Machining Details

