

Diamond II+ Annubar® Primary Element Model 1195 Integral Orifice and Model 1495 Orifice Plate

Complete this form to define a Custom Flow Configuration for the Annubar Primary Element/Model 1195/ Model 1495. Unless specified, the Annubar Primary Element/Model 1195/Model 1495 will ship with the default values identified by the ★ symbol.

For technical assistance in filling out this CDS, call Rosemount Customer Central at 1-800-999-9307.

NOTE: Any missing information will be processed with the indicated default values.

* = Required Item

CUSTOMER INFORMATION	
Customer:	Contact Name: _____
Customer Phone/Fax:	Customer P.O.: _____
Customer Approval Sign-Off: _____	
APPLICATION AND CONFIGURATION DATA SHEET (REQUIRED WITH ORDER)	
Tag: _____	Service: _____
* Select a Primary Element Type and enter the complete Model Number ⁽¹⁾ :	
<input type="checkbox"/> Annubar Primary Element Model No.: _____	
<input type="checkbox"/> Integral Orifice Assembly Model No. 1195: _____	
Orifice Model No. 1495: _____	
<input type="checkbox"/> Orifice Plate: <input type="checkbox"/> ASME <input type="checkbox"/> ISO <input type="checkbox"/> AGA Tap Location: <input type="checkbox"/> Flange <input type="checkbox"/> D & D/2 <input type="checkbox"/> Pipe (2½ D & 8 D)	
* Select Fluid Type/Name ⁽²⁾ : <input type="checkbox"/> Liquid: _____ <input type="checkbox"/> Gas: _____ <input type="checkbox"/> Steam	
PIPE INFORMATION	
* Orientation: <input type="checkbox"/> Vertical <input type="checkbox"/> Horizontal <i>(required for Annubar only)</i>	
* Line Size/Schedule: _____	
<i>or</i>	
Measured I.D./Wall: _____ <i>(Recommended for Annubar)</i>	
MATERIALS OF CONSTRUCTION	
* Select Pipe Material: <input type="checkbox"/> 316 SST <input type="checkbox"/> Carbon Steel <input type="checkbox"/> 304 SST <input type="checkbox"/> Monel <input type="checkbox"/> Hastelloy <input type="checkbox"/> Other: _____	
* Select Primary Element Material: <input type="checkbox"/> 316 SST <input type="checkbox"/> 304 SST ⁽³⁾ <input type="checkbox"/> Monel <input type="checkbox"/> Hastelloy <input type="checkbox"/> Other: _____	

(1) A complete model number is required before Rosemount Inc. can process this custom configuration order.

(2) See page 4 for more information.

(3) Not available for Annubar primary element.

OPERATING CONDITIONS						
	Minimum	Normal	Maximum	Full Scale/ Design	Units	
Flow Rate		*	*		<input type="checkbox"/> lb/s <input type="checkbox"/> acfm <input type="checkbox"/> lb/m <input type="checkbox"/> acfh <input type="checkbox"/> lb/hr <input type="checkbox"/> acfd <input type="checkbox"/> Scfm <input type="checkbox"/> gpm <input type="checkbox"/> Scfh <input type="checkbox"/> gph <input type="checkbox"/> Scfd <input type="checkbox"/> gpd	<input type="checkbox"/> kg/s <input type="checkbox"/> aM ³ /m <input type="checkbox"/> kg/m <input type="checkbox"/> aM ³ /hr <input type="checkbox"/> kg/hr <input type="checkbox"/> aM ³ /d <input type="checkbox"/> lpm <input type="checkbox"/> NM ³ /m <input type="checkbox"/> lph <input type="checkbox"/> NM ³ /hr <input type="checkbox"/> lpd <input type="checkbox"/> NM ³ /d
						<input type="checkbox"/> Other:
Pressure		*		* (1)	<input type="checkbox"/> psia <input type="checkbox"/> kPa, abs <input type="checkbox"/> Bar, abs	<input type="checkbox"/> psig <input type="checkbox"/> kPa, gage <input type="checkbox"/> Bar, gage
						<input type="checkbox"/> Other:
Temperature		*		* (1)	<input type="checkbox"/> °F	
						<input type="checkbox"/> °C
<input type="checkbox"/> Other:						

(1) Required to verify that the product selection meets design criteria.

PREFERRED DP: *(not applicable for the Annubar)*

DP = _____ Units: inH₂O at 68 °F/20 °C
 mmH₂O at 20 °C Normal Flow Max Flow Full Scale
 Other: _____

BASE CONDITIONS *(specify only if Base Volume Flow Units are used)*

Standard Base (P = 14.696 psia/101.325 kPa abs, T = 60 °F/15.56 °C)
 Normal Base (P = 14.696 psia/101.325 kPa abs, T = 32 °F/0 °C)
 Standard Base for Natural Gas (AGA) (P = 14.73 psia, T = 60 °F/15.56 °C)
 User-Defined: P = _____ Units: _____ T = _____ Units: _____

FLUID PROPERTIES

* Select either Rosemount Fluids Database or user-defined fluid properties.

Calculate fluid properties per the Rosemount Fluids Database (see page 5 for details).

OR, complete the appropriate section below:

Liquid (not required if using the Rosemount Fluid Database)

Fluid Name:

* Density at Flow:

Units: Lb/ft³ kg/m³ Other:

OR

Specific Gravity at Flow:

* Viscosity at Flow:

Units: Centipoise

Other:

Gas or Steam (not required if using the Rosemount Fluid Database)

Fluid Name:

* Density at Flow:

Units: Lb/ft³ kg/m³ Other:

OR

M.W./Specific Gravity:

Compressibility at Flow:

Compressibility at Base:

* Viscosity at Flow:

Units: Centipoise

Other:

* Isentropic Exponent (K):

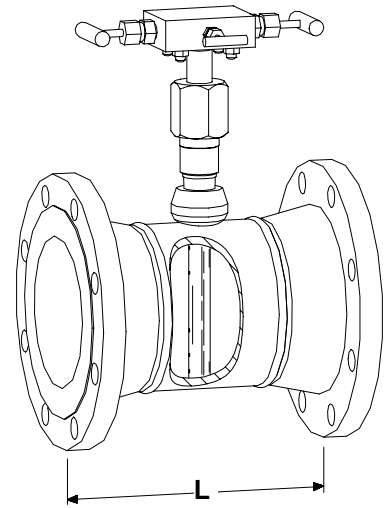
OPTIONAL FLANGED PIPE SECTION (for the Annubar only)

Please indicate the required length "L" of the flanged pipe section (as shown below):

L: _____ Units _____

The length must be within the following limits:

Line Size in inches (mm)	Minimum Length in inches (mm)	Maximum Length in inches (mm)
2	6.5 (165)	11.0 (279)
3	7.5 (191)	13.5 (343)
4	8.0 (203)	15.0 (381)
6	8.5 (215)	20.0 (508)
8	10.0 (254)	20.0 (508)



Indicate length "L" as shown above.

ROSEMOUNT FLUIDS DATABASE⁽¹⁾

Acetic Acid	Cyclopropane	Isopropanol	n-Heptane	1-Dodecanol
Acetone	Divinyl Ether	Methane	n-Hexane	1-Heptanol
Acetonitrile	Ethane	Methanol	n-Octane	1-Heptene
Acetylene	Ethanol	Methyl Acrylate	n-Pentane	1-Hexene
Acrylonitrile	Ethylamine	Methyl Ethyl Ketone	Oxygen	1-Hexadecanol
Air	Ethylbenzene	Methyl Vinyl Ether	Pentafluorothane	1-Octanol
Allyl Alcohol	Ethylene	m-Chloronitrobenzene	Phenol	1-Octene
Ammonia	Ethylene Glycol	m-Dichlorobenzene	Propane	1-Nonanal
Argon	Oxide	Neon	Propadiene	1-Nonanol
Benzene	Fluorene	Neopentane	Pyrene	1-Pentadecanol
Benzaldehyde	Furan	Nitric Acid	Propylene	1-Pentanol
Benzyl Alcohol	Helium-4	Nitric Oxide	Styrene	1-Pentene
Biphenyl	Hydrazine	Nitrobenzene	Sulfur Dioxide	1-Undecanol
Carbon Dioxide	Hydrogen	Nitroethane	Toluene	1,2,4-Trichlorobenzene
Carbon Monoxide	Hydrogen Chloride	Nitrogen	Trichloroethylene	1,1,2-Trichloroethane
Carbon Tetrachloride	Hydrogen Cyanide	Nitromethane	Vinyl Acetate	1,1,2,2-Tetrafluoroethane
Chlorine	Hydrogen Peroxide	Nitrous Oxide	Vinyl Chloride	1,2-Butadiene
Chlorotrifluoroethylene	Hydrogen Sulfide	n-Butane	Vinyl Cyclohexane	1,3-Butadiene
Chloroprene	Isobutane	n-Butanol	Water	1,3,5-Trichlorobenzene
Cycloheptane	Isobutene	n-Butyraldehyde	1-Butene	1,4-Dioxane
Cyclohexane	Isobutyl	n-Butyronitrile	1-Decene	1,4-Hexadiene
Cyclopentane	benzene	n-Decane	1-Decanal	2-Methyl-1-Pentene
Cyclopentene	Isopentane	n-Dodecane	1-Decanol	2,2-Dimethylbutane
	Isoprene	n-Heptadecane	1-Dodecene	

(1) This list is subject to change without notice.
 Steam per ASME Steam Tables.
 All other fluids per AIChE.

* Indicates default value.