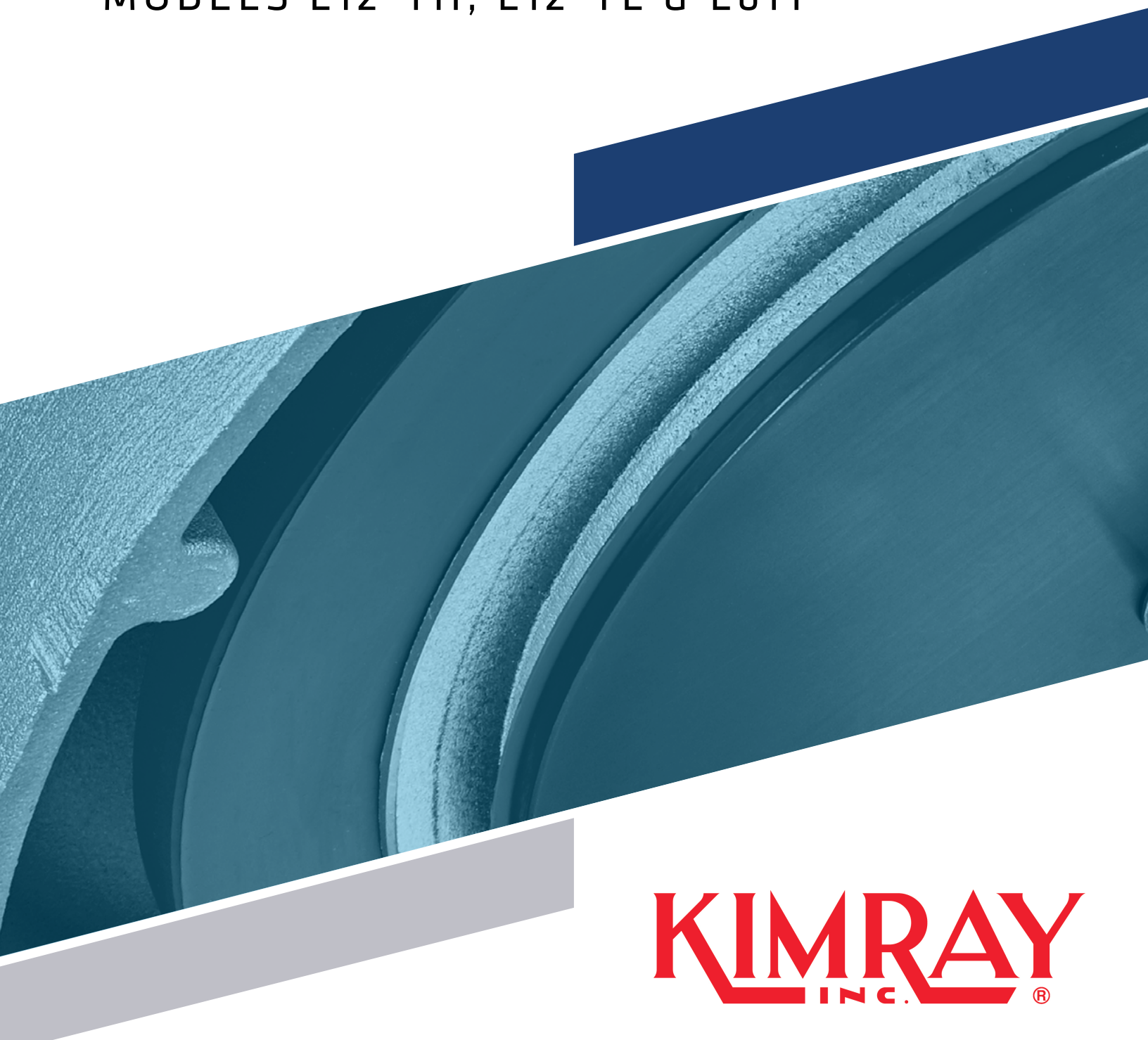


LAMOT[®]

VALVE & ARRESTOR

HATCH

MODELS L12-TH, L12-TL & L61T



KIMRAY
INC. [®]



MODELS L12-TH & L12-TL

The LaMOT Valve & Arrestor Model L12-TH and L12-TL Thief Hatch incorporates a spring loaded pressure/vacuum relief valve within the device. Thief Hatches are used on steel or fiberglass (FRP) low pressure storage tanks. The hatch has a gauging hook integrated to the base to be used while sampling the tank, providing access for level gauging, sampling, and overpressure/vacuum protection for the tanks, all in one compact design.

Superior sealing is achieved from an active envelope pressure gasket that expands around the base to increase seal until the designated pressure setting is reached. This design saves you money by greatly reducing vapor loss compared to a traditional thief hatch design.

Technical Details

- Size: 8"
- Bolting: API 12
- Available Pressure Settings: 4, 6, 8, 10, 12, 16, 24, & 32 osig
- Available Vacuum Settings: 0.4, 0.9 & 3.5 osig
- Leak Rate: Less than 1 SCFH of Air @ 90% of Set Pressure
- Casting: Aluminum (non-sparking)
- Envelope Gasket: HNBR, FKM or Fluorosilicone
- Vacuum Diaphragm: HNBR, FKM, Fluorosilicone or Fluoropolymer
- Springs: Galvanized Steel or Inconel® X-750

Features

- Each Hatch is individually tested and certified at factory
- Each hatch has its own serial number – for tracking and traceability
- Precision machining and manufacturing to accomplish superior sealing
- Leak Rate less than 1.0 SCFH at 90% of set pressure
- Ultra-tight sealing reduces product leakage and fugitive emissions
- Industry leading flow rates
- Higher flow capacity to protect from excessive pressure build up
- Precision machining and manufacturing to accomplish high flow rates
- Active envelope pressure gasket that expands around the base to increase seal
- Three Ear Center Assembly – better alignment and stronger, less breakage
- Pressure gasket is captured in the center assembly by groove
- SLIC Pins used on lid hinge, latch hinge and latch lock pin - less time for maintenance
- Rear hinge is precision machined – provides superior alignment and sealing
- Incorporates a mechanical lock system to be used with a pad lock or lock out bar
- Bonding Strap is standard equipment
- L12-TH convertible to a Lockdown Hatch with LVA conversion kit (L-Kit)
- Superior emission performance validated by End User FLIR inspection
- *Optional Thrust Bearing (Must be ordered with “Hatch” or “Center Assembly” for in the field replacement)

Options

- Polyester/PTFE Coating
- Flange (base) Gasket
- Mounting Kit
- Adapters

MODEL L61T

The LaMOT Valve & Arrestor Model L61T Lock Down Hatch provide access for gauging or obtaining product samples from storage tanks. The lock down hatch has a gauging hook integrated to the base to be used while sampling the tank. The Model L61T Lock Down Hatch incorporates “cushioned-air” seating which assures a premium seal.

Technical Details

- Size: 8”
- Bolting: API 12 or 150# ASME flanges
- Leak Rate: Less than 1 SCFH of Air @ 90% of Set Pressure
- Casting: Aluminum (non-sparking)
- Diaphragm: Buna-N, FKM, EPDM, or FEP

Features

- Each Hatch is individually tested and certified at factory
- Each hatch has its own serial number – for tracking and traceability
- Ultra-tight sealing reduces product leakage and fugitive emissions
- Available in 8” API-12 or ANSI bolt pattern
- SLIC Pins used on lid hinge and bolt assembly
- Bonding Strap is standard equipment
- Designed for easy maintenance, reducing downtime and lowering operational cost
- Corrosion resistance can be enhanced with FKM soft goods
- Incorporates a mechanical lock system to be used with a pad lock or lock out bar
- Permits the use of both hands during gauging or sampling

Options

- Foot Pedal with serrated treadle surface to avoid foot slippage when opening
- Flange (base) Gasket
- Mounting Kit
- Adapters



L12-TH



L12-TL

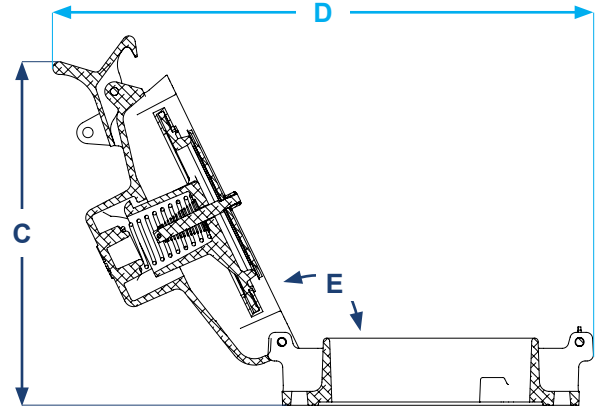
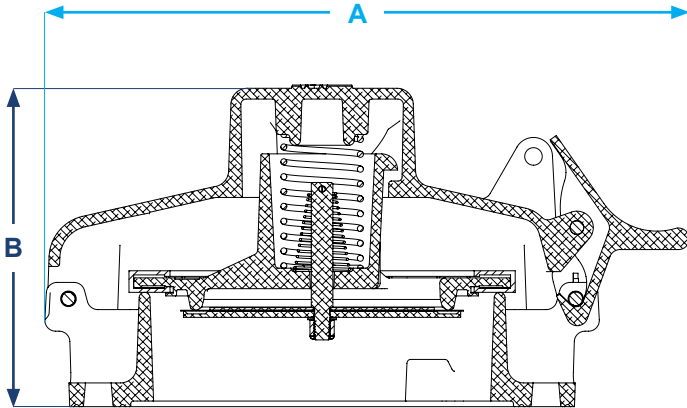


L61T

SPECIFICATIONS

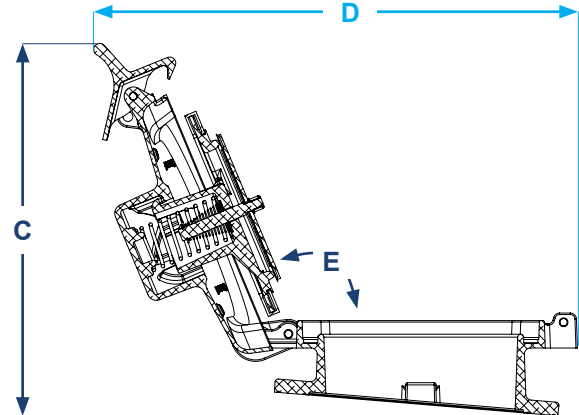
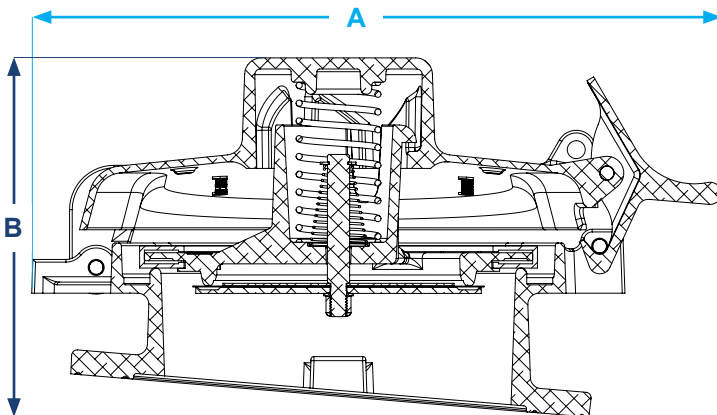
Model L12-TH

Size In (mm)	Width		Height		Angle	Assembly Weight Lbs (kg)
	A (Closed) In (mm)	D (Open) In (mm)	B (Closed) In (mm)	C (Open) In (mm)	E (Open) deg	
8 (200)	14.95 (379)	20.25 (514)	7.45 (189)	15.25 (387)	109.5	13.8 (6.26)



Model L12-TL

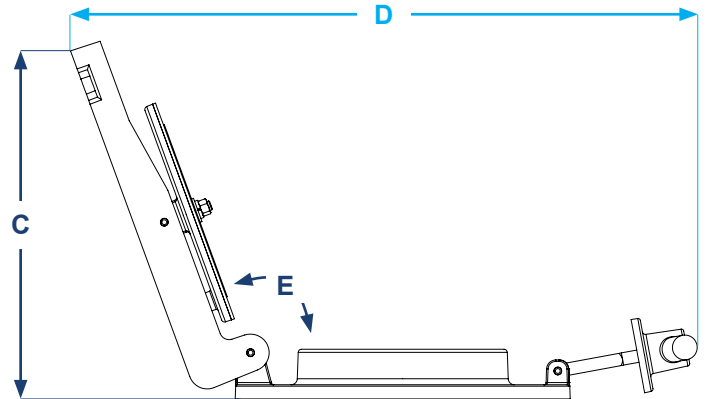
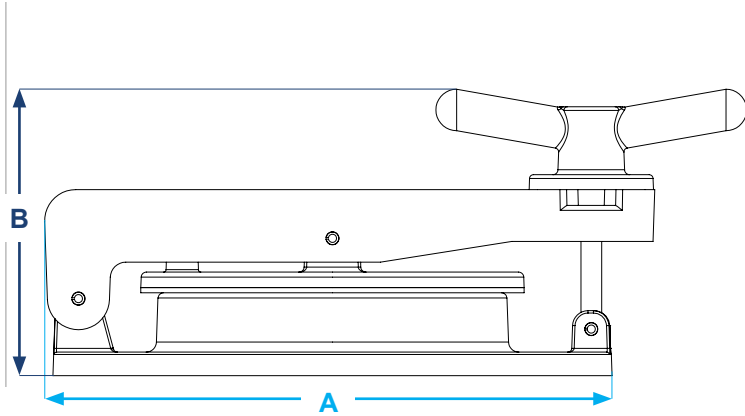
Size In (mm)	Width		Height		Angle	Assembly Weight Lbs (kg)
	A (Closed) In (mm)	D (Open) In (mm)	B (Closed) In (mm)	C (Open) In (mm)	E (Open) deg	
8 (200)	15.52 (394)	19.92 (506)	8.08 (205)	15.33 (389)	112.6	19.5 (8.86)



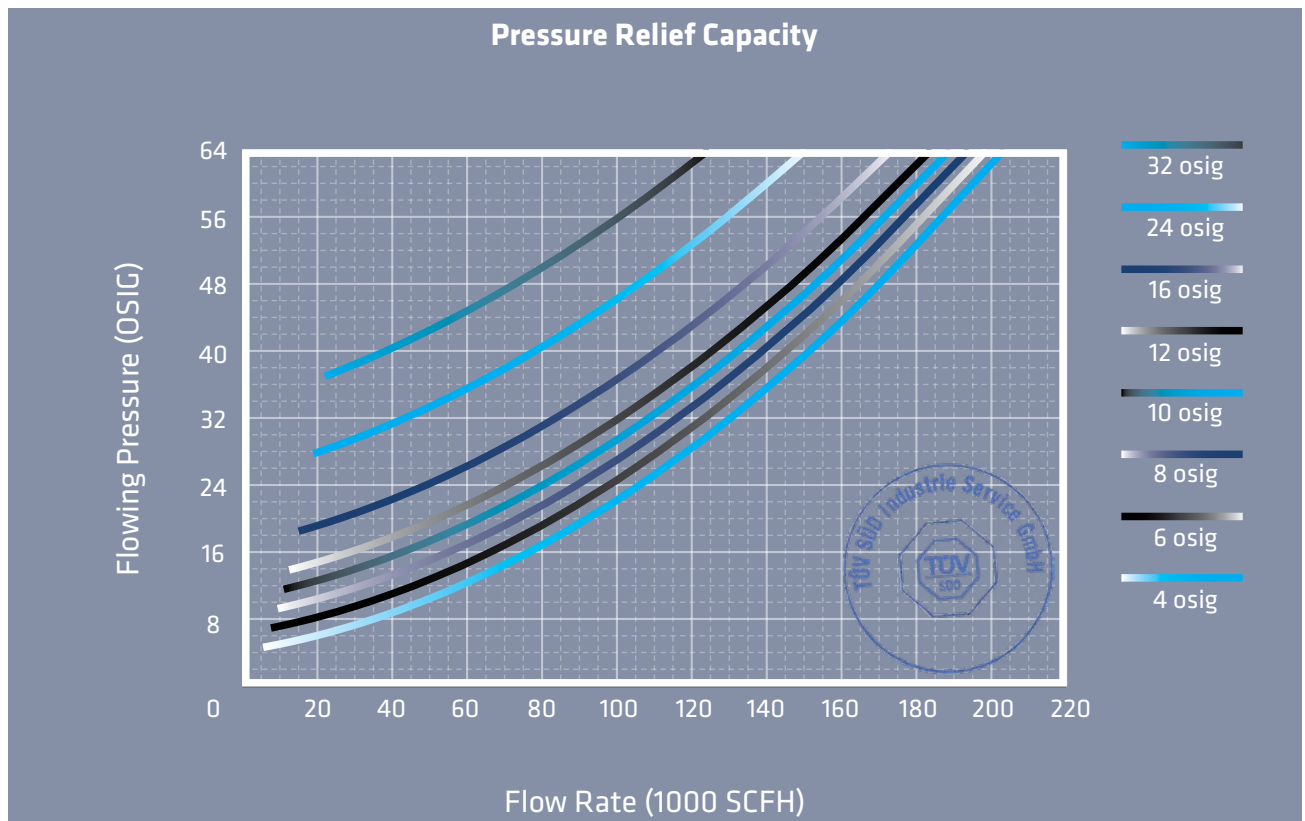
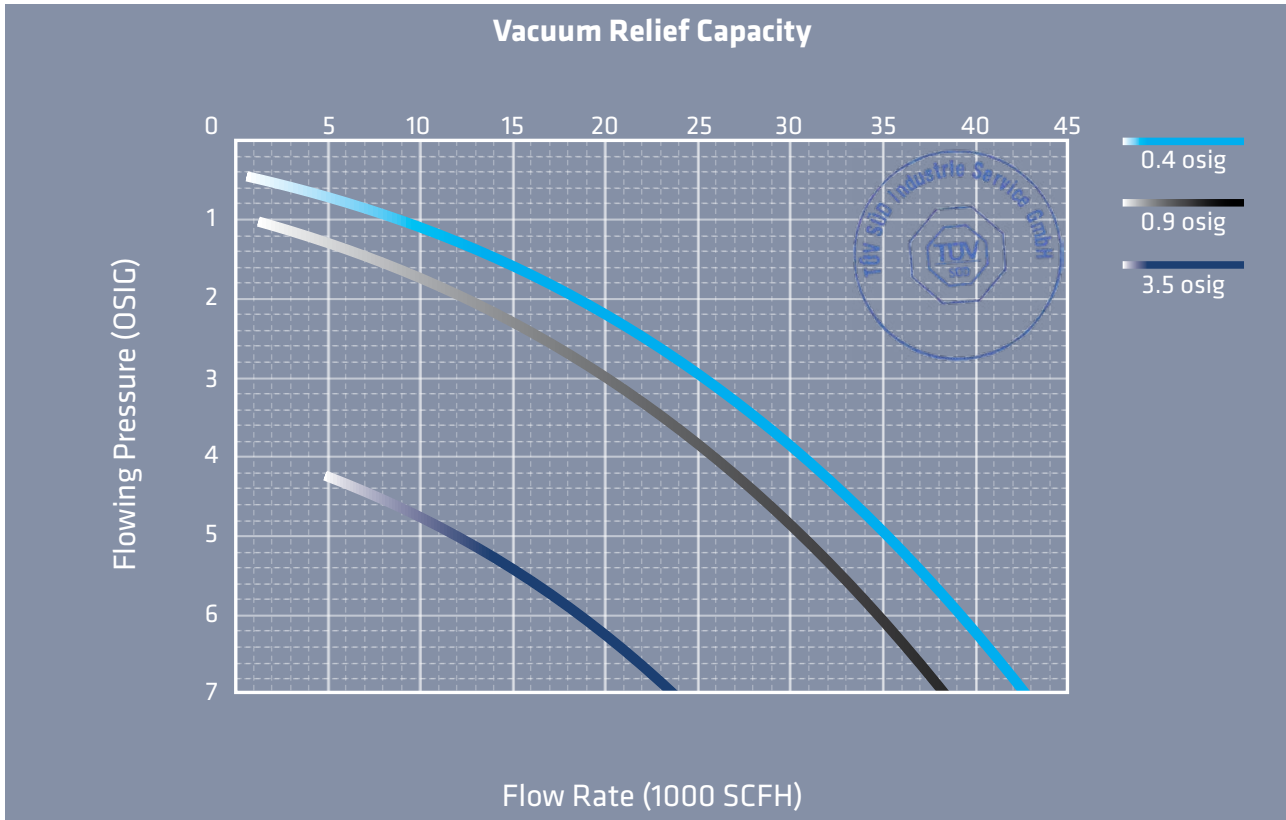
SPECIFICATIONS

Model L61T

Size In (mm)	Width		Height		Angle	Assembly Weight Lbs (kg)
	A (Closed) In (mm)	D (Open) In (mm)	B (Closed) In (mm)	C (Open) In (mm)	E (Open) deg	
8 (200)	13.49 (342.7)	25.53 (649)	6.91 (175.6)	14.37 (365)	110	13.2 (6.0)



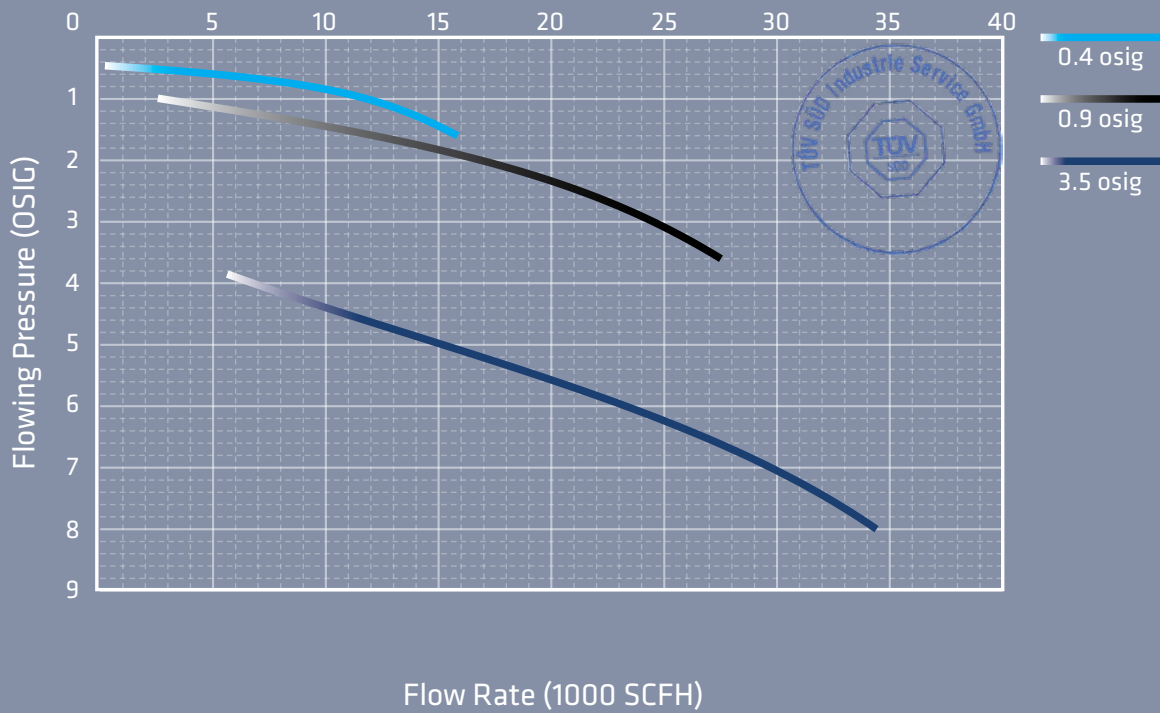
FLOW CAPACITY L12-TH



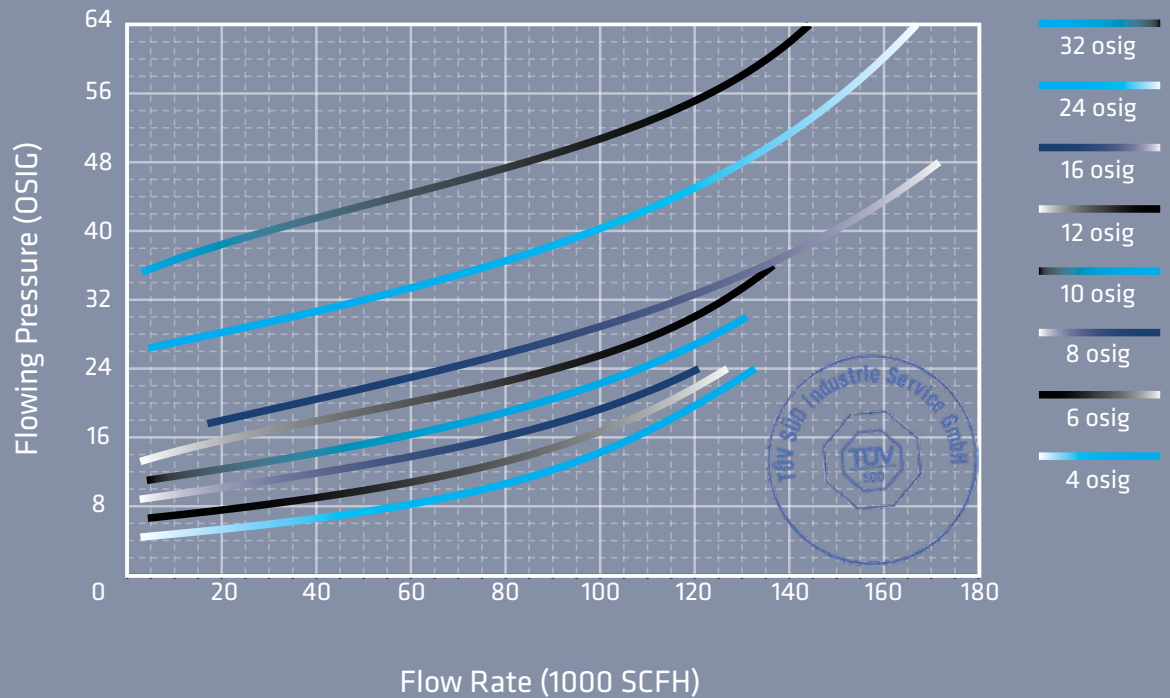
Flow values based on air at 60° F and atmospheric pressure of 14.6959 psia
Flow Curve represents each pressure setting

FLOW CAPACITY L12-TL

Vacuum Relief Capacity



Pressure Relief Capacity



HOW TO ORDER

MODEL # MATERIAL OPTIONS

Product #: L 1 2 - T - 0 8 - 1 - - -

Model number:
TH = Thief Hatch
TL = Long Pan Thief Hatch

Body Material:
1 = Aluminum

Envelope Gasket:
H = HNBR (Black)
V = FKM (Blue)
F = Fluorosilicone (Yellow)

Vacuum Diaphragm:
H = HNBR (Black)
V = FKM (Blue)
T = FEP (Clear)
F = Fluorosilicone (Yellow)

Spring Material:
X = Inconel® X-750
G = Galvanized Steel

Pressure Setting:
04 = 4 osig
06 = 6 osig
08 = 8 osig
10 = 10 osig
12 = 12 osig
16 = 16 osig
24 = 24 osig
32 = 32 osig

Vacuum Setting:
04 = 0.4 osig
09 = 0.9 osig
35 = 3.5 osig

Options:
O = No Options
E = Polyester/PTFE Coating

Individual Parts, Maintenance Repair Kits, and Pre Assembled Center Hatch Assemblies are available. (Please contact a LaMOT Valve & Arrestor representative or visit the website for more information)

*Additional pressure settings available

MODEL # MATERIAL OPTIONS

Product #: L 61T - 0 8 - - 1 - 0

Model number:
61T = Lock Down Hatch

Bolting Class:
A = 150# ASME
D = API 12

Body Material:
1 = Aluminum

Diaphragm Material:
B = Buna-N
V = FKM
T = FEP
E = EPDM

Options:



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