

# Questionnaire

## Shutter- and Pig Diverter Shutter Valves

LAUFER Valve Technology, Inc.

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2300 Walnut Ave. Suite Q-R  
Signal Hill, CA 90755



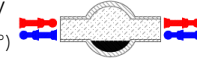

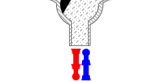
## 1. Customer




Company / Name \_\_\_\_\_

Tel. / Email \_\_\_\_\_

## 2. Valve

Type / Version

2-way (0°-180°) 
 3-way (0°-90°-180°) 
 Pig Diverter (0°-120°-240°) 

2-way "L" (0°-90°) 
 Venturi (powder control) 
 Tank Outlet (flush-bottom) 

Standard / Size  DIN  Inch  SMS Size: \_\_\_\_\_

Finish  Ra ≤32 µin  Ra ≤16 µin  Electropolish

Pipe connection  Welded Ends  Female  Other: \_\_\_\_\_

TC ferrules  Male

## 3. Operating Conditions

Product: \_\_\_\_\_  CIP  SIP

Max. Temp: \_\_\_\_\_ Max. Pressure: \_\_\_\_\_

O-Rings / Gaskets  EPDM  FPM (Viton®)

FEP  Other: \_\_\_\_\_

O-ring seals:

	Temperature	Short-term temp.
EPDM (Standard)	-40°F to +230°F -40°C to +110°C	+284°F +140°C
FPM (Viton®) (optional)	-4°F to +320°F -20°C to +160°C	+356°F +180°C
FEP (optional)	-76°F to +392°F -60°C to +200°C	+446°F +230°C

Shutter material  PTFE  Tecapeek®

PTFE + 15%PEEK

Shutter:

	Temperature	Pressure max (see Figure 8).	
		Prod. flow direction	Against shutter
Dyneon™ TFM1600 (Standard)	-76°F to +230°F -60°C to +110°C	145 psi 10 bar	43.5 psi 3 bar
PTFE + 15% Peek (optional)	-76°F to +320°F -60°C to +160°C	232 psi 16 bar	43.5 psi 3 bar
Tecapeek (optional)	-76°F to +392°F -60°C to +200°C	290 psi 20 bar	43.5 psi 3 bar

Bearing bushing  POM (Delrin)  PTFE

Bearing bushing:

	Temperature	Short-term temp.
POM (Standard)	-58°F to +230°F -50°C to +110°C	+284°F +140°C
Dyneon™ TFM1600	-76°F to +392°F -60°C to +200°C	+446°F +230°C

## 4. Actuation

Operation  Manual  Pneumatic  Other: \_\_\_\_\_

Actuator material  INOX  Aluminum  Other: \_\_\_\_\_

Type of actuator  0°-90°  Air/Air  Air/Spring: NC or NO

0°-180° (Air/Air only)  0°-120° (Air/Air only)

0°-90°-180° (Air/Air only)  0°-120°-240° (Air/Air only)

## 5. Further Options

Feedback control  Yes  No Voltage: \_\_\_\_\_

Solenoid valve  Yes  No Voltage: \_\_\_\_\_

4-20mA Positioner

Heated version

Leakage control

3-A approval 51-01  (if applicable: welded ends/TC, PTFE/Tecapeek, EPDM)