

# Baumann™ 26000 Corrosion Resistant Control Valve

The Baumann 26000 is a unique corrosion resistant control valve featuring a flangeless wafer valve body and powerful multi-spring diaphragm actuator. This valve is available with a Fisher™ FIELDVUE™ digital valve controller to allow for highly accurate, low flow control of nearly all corrosive media. (Note: For optimal, non-compromised valve life, fluid must be clear and service non-cavitating.) A solid corrosion resistant R05200 Tantalum or N10276 Nickel Alloy valve plug and pressure-assisted PTFE seat combine for an extremely wide control range making the 26000 series ideal for pH control applications.

An S31600/S31603 stainless steel flangeless valve body, thru-hole wafer design, allows for installation between plastic pipe line flanges without risk of gasket leakage. Top entry trim provides ease of servicing and a long operating life.

## Features

- Wide control range with high rangeability.
- Solid R05200 Tantalum or N10276 Nickel Alloy valve plug (Other materials on request).
- S31600/S31603 stainless steel valve housing with PTFE body interior.
- Pressure assisted seating, up to Class VI shutoff.
- The combination of primary and secondary valve stem packing ensures process retention.
- Flangeless body construction, unique thru-hole wafer design for installation between CL150 and 300 and PN 10 through 25 RF or FF line flanges.
- PTFE encapsulated line flange gaskets (included) permit valve installation between plastic lined slip-on mating flanges.



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**26000 Control Valve  
with Baumann 32 Actuator and Dual Travel Stops**

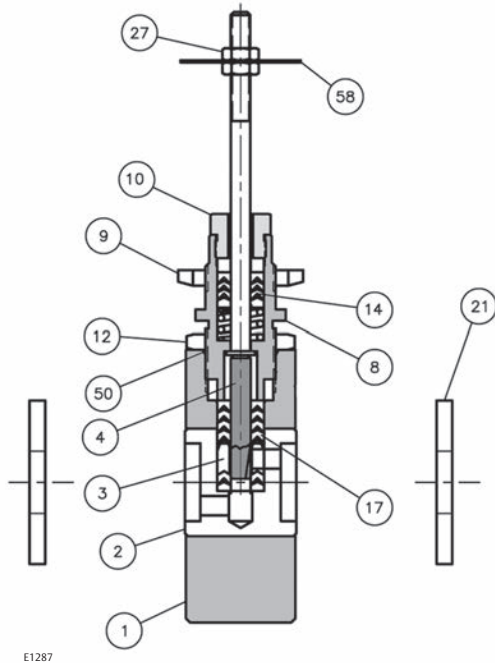


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**26000 Valve with Baumann 32 Actuator, Dual Travel Stops, and FIELDVUE DVC6200 Digital Valve Controller**

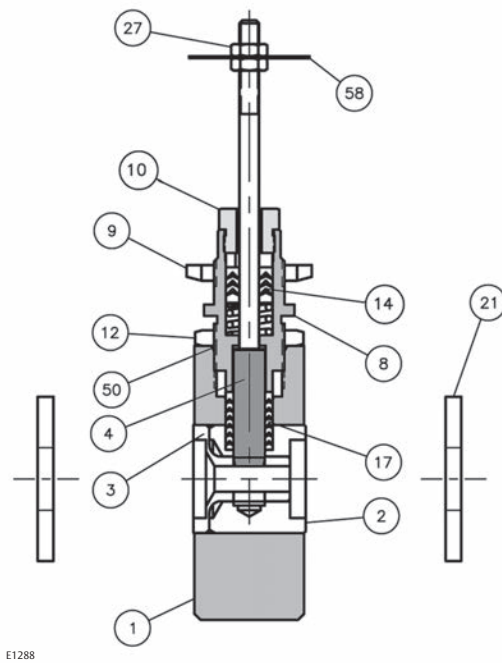
- FIELDVUE digital valve controller available for remote calibration and diagnostics in facilities utilizing the PlantWeb™ architecture.

**Figure 1. Valve Body for Cv Ratings of 0.001 to 1.0  
(Class VI Seat Leakage)**



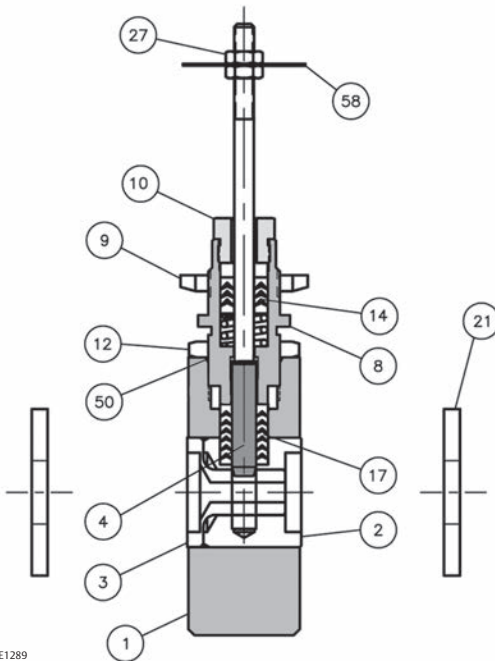
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**Figure 3. Valve Body for Cv Rating of 4.2  
(Class IV Seat Leakage)**



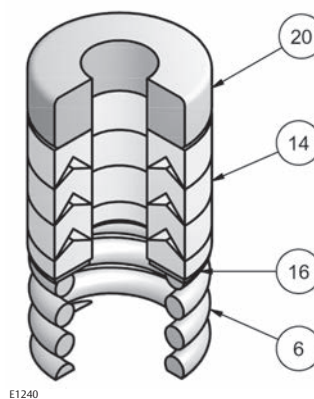
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**Figure 2. Valve Body for Cv Rating of 2.5  
(Class IV Seat Leakage)**



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**Figure 4. Secondary Packing: Spring-Loaded PTFE  
V-Ring Packing Kit**



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**Table 1. Secondary Packing: Standard Spring-Loaded  
PTFE V-Ring Packing Kit**

Key Number	Description	Material
6	Spring	ASTM A313 S30200
14	Packing Set	PTFE/carbon-filled PTFE
16	Washer	ASTM A240 S31600
20	Spacer	J-2000 (filled-Polytetrafluoroethylene)

**Table 2. Materials of Construction**

Key No.	Description	Material
1	Valve Body	ASTM A479 S31600/S31603, Annealed
2	Liner	PTFE (Polytetrafluoroethylene)
3	Spacer (Cv = 0.001 - 1.0 ONLY)	PTFE (Polytetrafluoroethylene)
	Insert (Cv = 2.5 and 4.2 ONLY)	PTFE (Polytetrafluoroethylene)
4	Valve Plug	ASTM B365 R05200 cold worked or ASTM B574 N10276, 35 HRC Max
	Stop Washer	ASTM B574 N06022, 35 HRC Max
	Stem	ASTM B574 N10276, 35 HRC Max
8	Bonnet	ASTM A479 S31600/S31603, Annealed
9	Yoke Drive Nut	S30400 Stainless Steel
10	Packing Follower	ASTM A276 S31600 Condition A
12	Hex Clamp Nut	ASTM A582 S30300 Condition A
14	Secondary Packing Kit, Spring Loaded PTFE V-Ring Packing Kit	Refer to figure 4 and table 1
17	Primary Packing, V-Ring	PTFE (Polytetrafluoroethylene)
21	Line Flange Adapter Gaskets <sup>(1)</sup>	PTFE (Polytetrafluoroethylene), Steel Core
27	Locknut	18-8 Stainless Steel
50	Bonnet Seal	PTFE (Polytetrafluoroethylene)
58	Travel Indicator	ASTM A240 S30400

1. It is highly recommended that the included PTFE encapsulated line flange adaptor gaskets be utilized.

**Table 3. Technical Specifications**

<b>VALVE BODY RATNG</b>		10.3 bar CWP (150 psi CWP)
<b>CONNECTIONS</b>		Wafer (Flangeless) design for installation between NPS 1 CL150, CL300 or Metric DN 25 PN10, PN16 or PN25 RF or FF line Flanges
<b>SEAT PLUG SEALING</b>		PTFE Soft Seat -28.9 to 177°C (-20 to 350°F)
<b>BONNET</b>		-28.9 to 177°C (-20 to 350°F)
<b>PACKING<sup>(1)</sup></b>	<b>Spring Loaded PTFE V-Ring</b>	-28.9 to 177°C (-20 to 350°F)
<b>SEAT LEAKAGE</b>		Class VI (Rated Cv = 0.001 - 1.0), Class IV (Rated Cv = 2.5 and 4.2)
<b>CHARACTERISTIC</b>		Modified Equal Percentage
<b>MAXIMUM SHUTOFF PRESSURE</b>		10.3 bar (150 psi)
<b>WEIGHT</b>		3.3 kg (7.3 lbs)

1. Temperature limits apply to packing materials only and not to the valve body assembly.

**Table 4. Coefficients**

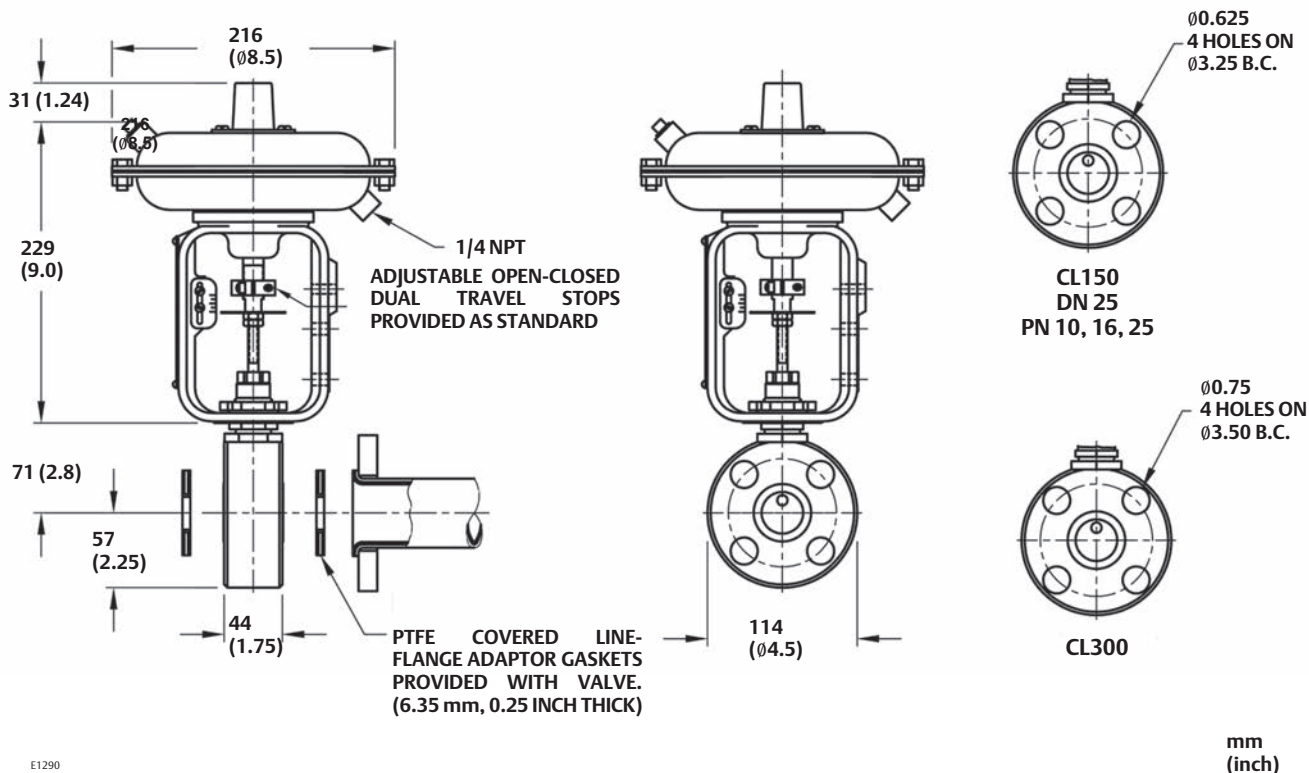
Valve Size NPS	Port Dia. in.	Plug Tvl in.	CV AT VALVE OPENING - Percent of Plug Travel 100
1	0.312	0.5	0.001
			0.005
			0.01
			0.02
			0.05
			0.1
			0.2
			0.4
			0.8
	1		
	0.375	0.5	2.5
0.5	0.5	4.2	

# Product Bulletin

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**26000 Valve**  
D103337X012

Figure 5. Dimensions NPS 1 26000 Valve with Baumann 32 Actuator and Dual Travel Stops



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