

## SPECIFICATIONS

# FIGURE 2020TIVT

## KNIFE GATE VALVES

# FNW®

### STAINLESS STEEL HIGH PERFORMANCE TRANSMITTER ISOLATION VALVE

Figure 2020TIVT is an all-cast stainless steel body and yoke with investment cast packing follower.

## FEATURES

- Reinforced teflon seats for positive shutoff at minimal line pressure
- Bi-directional shutoff
- Cast stainless steel body, yoke and packing gland
- Reversible ratchet operator, standard
- Rising stem
- Meets MSS SP-81 specifications for 150 PSI CWP
- Available in 3"

## PRODUCT SPECIFICATIONS

### Standards

- Design: MSS SP-81
- Flange drilling: ANSI B16.5
- Material: ASME B16.34

### Options

FNW offers many options and modifications for valves. These include, but are not limited to:

- Actuation including ratchets, chain wheels, AWWA nuts, gear-operators, pneumatic and hydraulic cylinders, and electric actuators
- Packing options for pH and temperature requirements
- Back seat stops for low  $\Delta P$  or reverse operation applications, or to prevent knife blade deflection
- V-ports for reduced plugging in metering applications
- Stem extensions in carbon and stainless steel
- Conversion to non-rising stem (NRS)
- Deflection cones in Ni-Hard and HDPE for added seat and gate protection in abrasive services
- Flush ports to clear suspended matter from the valve chest or seat pocket area
- Quick opening levers
- Gate scraper



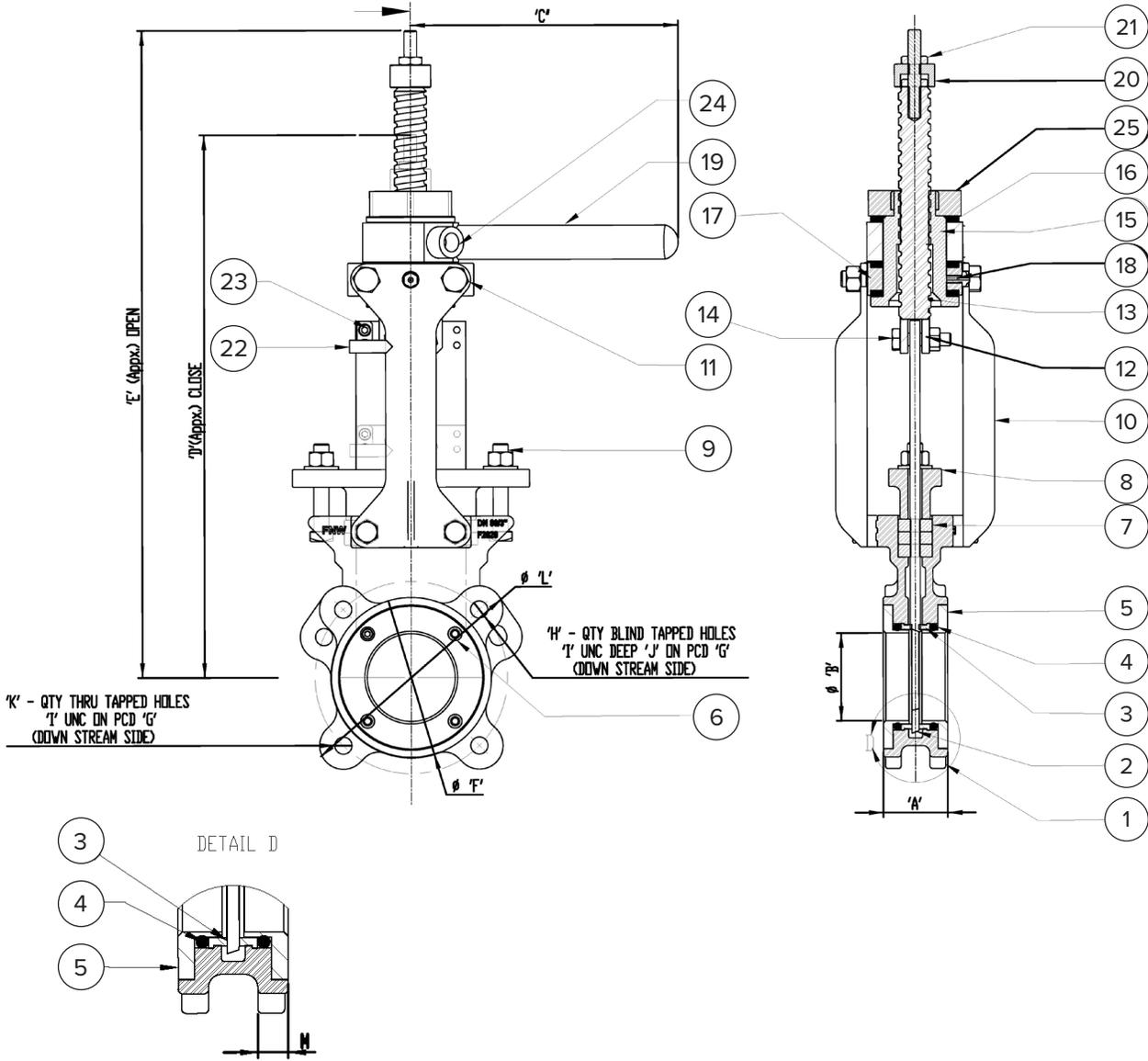
SPECIFICATIONS

**FIGURE 2020TIVT**  
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STAINLESS STEEL HIGH PERFORMANCE  
TRANSMITTER ISOLATION VALVE

PARTS DIAGRAM



DIMENSIONS (IN.)

Size	A	K	ØB	ØC	D	E	ØF	ØG	H	I	J	ØL
3	2	2	2.74	8	16.54	19.80	5	6	2	5/8-11	0.39	7.5

# FIGURE 2020TIVT

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### STAINLESS STEEL HIGH PERFORMANCE TRANSMITTER ISOLATION VALVE

## PART MATERIALS

Ref #	Description	Material
1	Body	ASTM A 240 Gr.316
2	Gate	ASTM A 351 Gr.CF8M
3	Seat Ring	RTFE
4	O-ring	EPDM
5	Retainer Ring	ASTM A 351 Gr.CF8m
6	Fasteners	ASTM A 193 Gr.B8M
7	Packing	PTFE with one layer of EPDM Quad Seal
8	Gland	ASTM A 351 Gr.CF8
9	Gland Nut, Bolt & Nylock	Stainless Steel 304
10	Yoke	ASTM A 351 Gr.CF8
11	Bolts (Yoke)	Stainless Steel 304
12	Clevis	ASTM A 351 Gr.CF8
13	Stem	ASTM A 276 Gr.304
14	Bolt, Nut 7 Nylock (Clevis)	Stainless Steel 304
15	Yoke Sleeve	ASTM B 148 Gr.C95200
16	Thrust Needle Bearing	Stainless Steel
17	Collar	ASTM A 240 Gr.SS 304
18	Grease Nipple	Brass
19	Ratchet Lever	Carbon Steel ASTM A 36
20	Stopper	ASTM B 276 Gr.304
21	Fastner (Stem & Stopper)	ASTM B 193 Gr.B8/ASTM A 194 GR.8
22	Arrow Indicator	ASTM B 240 Gr.304
23	Bolt, Nut & Nylock (Arrow Indicator)	Stainless Steel 304
24	Locking Pin	ASTM B 276 Gr.304
25	Lock Nut	Stainless Steel 304