


TopWorx™ T-Series TVF, TVL, TVH & TVA

Consult factory for options not shown below.

Enclosure	Bus/Sensor	Area Classification	Visual Display	Shaft
<p><b>TVF</b> Tropicalized Aluminum base with clear resin lid</p> <p><b>TVL</b> Tropicalized Aluminum base and Lid</p> <p><b>TVH</b> 316 Stainless Steel base and lid</p> <p><b>TVA</b> Engineered Resin (Area Class must be W or 0), (Only available with Bus/Sensors AS, AM (with or w/o pilot valve) M, K, T, R, P or E (w/o pilot valve))</p>	<p><b>Bus Network</b> (area class cannot be 0)</p> <p><b>AS</b> AS-Interface <b>DN</b> DeviceNet <b>PB</b> Profibus DP</p> <p><b>Mechanical Switches</b> (Area class cannot be 2)</p> <p><b>M2</b> (2) Mech SPDT <b>M4</b> (4) Mech SPDT <b>K2</b> (2) Mech SPDT w/ gold contacts <b>T2</b> (2) Mech DPDT</p> <p><b>Proximity Switches</b> <b>R2</b> (2) SPDT 200mA max <b>R4</b> (4) SPDT 200mA max <b>*P2</b> (2) SPDT 3A max (*Not recommended with area class 0)</p> <p><b>Analog Output</b> (Available with M, K, T, E)(Not available w/ pilot/spool valve) <b>_X</b> 4-20 mA Transmitter</p> <p><b>Inductive Sensors</b> <b>E2</b> (2) p+f NJ2-V3-N inductive NAMUR <b>12</b> (2) Ind prox PNP N/O (Area class can only be "W")</p> <p><b>Examples:</b> <b>0X</b> 4-20 mA Transmitter with no switches</p> <p><b>MX</b> 4-20 mA Transmitter with mechanical switches</p> <p><b>AS</b> AS-i with "R" type reed switches</p>	<p><b>0</b> Intrinsically safe ATEX/IECEX Zone 1 I12GD Ex ia IIC Ex tb IIC, IP66/68 (Dust groups TVL/TVH only) CI I Div 1 Grps-A-D; CI II Div 1 Grps E-G (TVA/ATEX/IECEX Only)</p> <p><b>2</b> Non-incendive ATEX/IECEX Zone 2 I13GD Ex nA nC IIC Ex tc IIC, IP66/68 CI I Div 2 Grps A-D; CI I Div 2 Grps F &amp; G</p> <p><b>W</b> No approvals, Type 4, 4X IP66/68</p> <p><b>G</b> General Purpose Type 4X (Not available on TVA)</p> <p><b>TVF, TVL &amp; TVH</b> 10pt. terminal strip w/pilots 12pt. terminal strip w/o pilots</p> <p><b>TVA</b> 8pt. terminal strip w/o pilots</p>	<p><b>G</b> Standard 90° Green OPEN, Red CLOSED</p> <p><b>R</b> Standard 90° Green CLOSED, Red OPEN</p> <p><b>B</b> 90° Black OPEN, Yellow CLOSED</p> <p><b>F</b> Flat-top with skirt indicator (TVL &amp; TVH only) (Indicator not provided with "L" Shaft option)</p> <p><b>Y</b> 90° Yellow OPEN, Black CLOSED</p> <p><b>T</b> Green THRU, Red DIVERT</p> <p><b>K</b> 3 Way L Port, Green/Red</p>	<p><b>N</b> NAMUR 304 stainless steel</p> <p><b>L</b> 1" Extended Linear Shaft (TVL/TVH only)</p>
				<p><b>See next column</b></p> 
Enclosure	Bus/Sensor	Area Classification	Visual Display	Shaft

**Ordering Guide**

Fill in the boxes to create your 'ordering number.'

**T-Series Mounting Kits** (All hardware included)

Description	Part Number	List Price	Description	Part Number	List Price
<b>Mounting Kits for TVF/TVL</b>			<b>Stainless Steel Mounting Kits for TVH</b>		
Mounting Kit for 20 x 80	AV-TA01		Mounting Kit for 20 x 80	AV-TS01	
Mounting Kit for 20 x 80 (flattop only)	AV-TA02		Mounting Kit for 20 x 80 (flattop only)	AV-TS02	
Mounting Kit for 30 x 80	AV-TA03		Mounting Kit for 30 x 80	AV-TS03	
Mounting Kit for 30 x 80 (flattop only)	AV-TA04		Mounting Kit for 30 x 80 (flattop only)	AV-TS04	
Mounting Kit for 30 x 130	AV-TA05		Mounting Kit for 30 x 130	AV-TS05	
Mounting Kit for 30 x 130 (flattop only)	AV-TA06		Mounting Kit for 30 x 130 (flattop only)	AV-TS06	
Mounting Kit for 50 x 130	AV-TA07		Mounting Kit for 50 x 130	AV-TS07	
Mounting Kit for 50 x 130 (flattop only)	AV-TA08		Mounting Kit for 50 x 130 (flattop only)	AV-TS08	
Mounting Kit for existing standard shaft brackets	AV-PL001-1				
<b>Resin Mounting Kits for TVA</b>					
Mounting Kit for 20 x 80	AL-TR01				
Mounting Kit for 30 x 80	AL-TR04				
Mounting Kit for 30 x 130	AL-TR07				
Mounting Kit for 50 x 130	AL-TR09				

Conduit Entries	O-Rings	Pilot	Spool Valve	Valve Cv	Manual Override	Regional Certs
<p><b>TVF/TVL/TVH</b>  <b>P</b> (2) 1/2" NPT</p> <p><b>M</b> (2) M20</p> <p><b>E</b> (2) 3/4" NPT</p> <p><b>1</b> (2) M25</p> <p><b>TVA</b>  <b>A</b> (2) 1/2"NPT Resin  <b>C</b> (2) M20 Resin</p>	<p><b>M</b> Silicone</p>	<p><b>Blank</b>                      No pilot device(s)</p> <p><b>1</b> (1) 24Vdc pilot, fail open/closed 1W (non I.S.)                       0.5W (I.S.)</p> <p><b>2</b> (2) 24Vdc pilots fail last position 1W (non-I.S.) (Not available in TVA)                       0.5W (I.S.)</p> <p><b>4</b> (1) 220Vac pilot, 3VA fail open/closed (Not available in TVA)</p> <p><b>5</b> (2) 220Vac pilots, 3VA fail last position (Not available in TVA)</p> <p><b>7</b> (1) 110Vac pilot, 3VA, fail open/closed (Not available in TVA)</p> <p><b>8</b> (2) 110Vac pilots, 3VA fail last position (Not available in TVA)</p>	<p><b>Blank</b>                      No spool valve</p> <p><b>A</b> Aluminum                      Hard coat anodized</p> <p><b>6</b> 316 Stainless steel</p>	<p><b>Blank</b>                      No spool valve</p> <p><b>1</b> 1.0 Cv (1/4" NPT Ports)</p> <p><b>8</b> 1.0 Cv (1/4" BSP Ports)</p>	<p><b>Blank</b>                      No override</p> <p><b>1</b> Single Pushbutton Momentary/Latching</p> <p><b>2</b> Dual Pushbutton Momentary Latching</p>	<p><b>N</b> NEPSI</p> <p><b>R</b> EAC (Not available in TVA)</p> <p><b>B</b> InMetro (Area Class "0"only)</p> <p><b>P</b> Peso (Gas approval only)</p>
<p><b>Conduit Entries</b></p> <p>—</p>	<p><b>O-Rings</b></p> <p>—</p>	<p><b>Pilot</b></p> <p>—</p>	<p><b>Spool Valve</b></p> <p>—</p>	<p><b>Valve Cv</b></p> <p>—</p>	<p><b>Manual Override</b></p> <p>—</p>	<p><b>Regional Certs</b></p> <p>—</p>