



**HYDRAULICALLY OPERATED LUBRICATOR VALVE WITH BIDIRECTION PRESSURE SEALING CAPABILITIES. INSTALLED IN THE UPPER LANDING STRING ASSEMBLY TO ISOLATE WELL BORE FROM BELOW AND ISOLATING THE DRILL FLOOR FROM THE WORKOVER RISER.**

**Features:**

- ▷ **Hydraulically assisted bi-directional valve with pump-through capability**
- ▷ **Chemical injection capability below ball**
- ▷ **Provide passage & clearance of the LLSA controls umbilical**
- ▷ **Compact & lightweight design**
- ▷ **Fully validated to API 17G 3<sup>rd</sup> edition**

**DESIGN DATA**

<b>Nominal Bore Diameter</b>	7-1/16" (179.3 mm)
<b>Design Pressure</b>	Working: 10,000 psi (68.9 MPa) Test: 15,000 psi (103.4 MPa)
<b>Above Ball Pressure</b>	5,000 psi (34.5 MPa)
<b>Below Ball Pressure</b>	10,000 psi ( 68.9 MPa)
<b>Design Standard</b>	API 6A 21 <sup>st</sup> Edition 2018 (ISO 10423), API 17G 3 <sup>rd</sup> Edition 2019 (ISO 13628-7), NACE MR0175 2015 (ISO 15156)
<b>Temperature Class (Design)</b>	API 6A Class U (0°F to 250°F / -18°C to +121°C)
<b>Service</b>	CO <sub>2</sub> , H <sub>2</sub> S (NACE MR0175 / ISO 15156)
<b>Material Class</b>	EE
<b>Product Specification Level</b>	PSL 3G
<b>Design Validation Level</b>	API 17G 3 <sup>rd</sup> Edition SSL-Gas (Fully compliant)
<b>Sand Service Class</b>	Sand Class A (Proppant omitted)

**PERFORMANCE DATA**

<b>Maximum Hydraulic Pressure</b>	10,000 psi (68.9 MPa)
<b>Actuator Volume (Total, Approx.)</b>	0.05 U.S. gallons (0.2 Litres)
<b>Acceptable Hydraulic Fluid</b>	Any water or oil based control fluid
<b>Strip Through Capabilities</b>	All typical braided cable and coiled tubing grade

**WEIGHT AND DIMENSIONS**

<b>Overall Height (Nominal)</b>	25.500" (648 mm)
<b>Overall Width (Nominal)</b>	18.700" (475 mm)
<b>Gross Dry Weight (Approx.)</b>	1,374 lb (623 kg)

**VALVE INTERFACES**

<b>Design Standard</b>	API 17G 3 <sup>rd</sup> Edition.	
<b>Upper End Connection</b>	Interventek 7.375" Studded Flange	
<b>Lower End Connection</b>	Interventek 7.375" Studded Flange	
<b>Hydraulic Interface</b>	Valve Open: JIC 6 Male	Seat Support: JIC 6 Male
	Valve Close: JIC 6 Male	Chemical Injection: JIC 6 Male

## FUNCTIONAL CAPACITIES

Maximum Tension @ RWP	432 kip
Maximum Moment @ RWP	140 ft kip
Maximum Tension @ 0 ksi	1,110 kip
Maximum Moment @ 0 ksi	360 ft kip

Note that these values are the limiting values, if GRA is conducted then greater localized values may be available

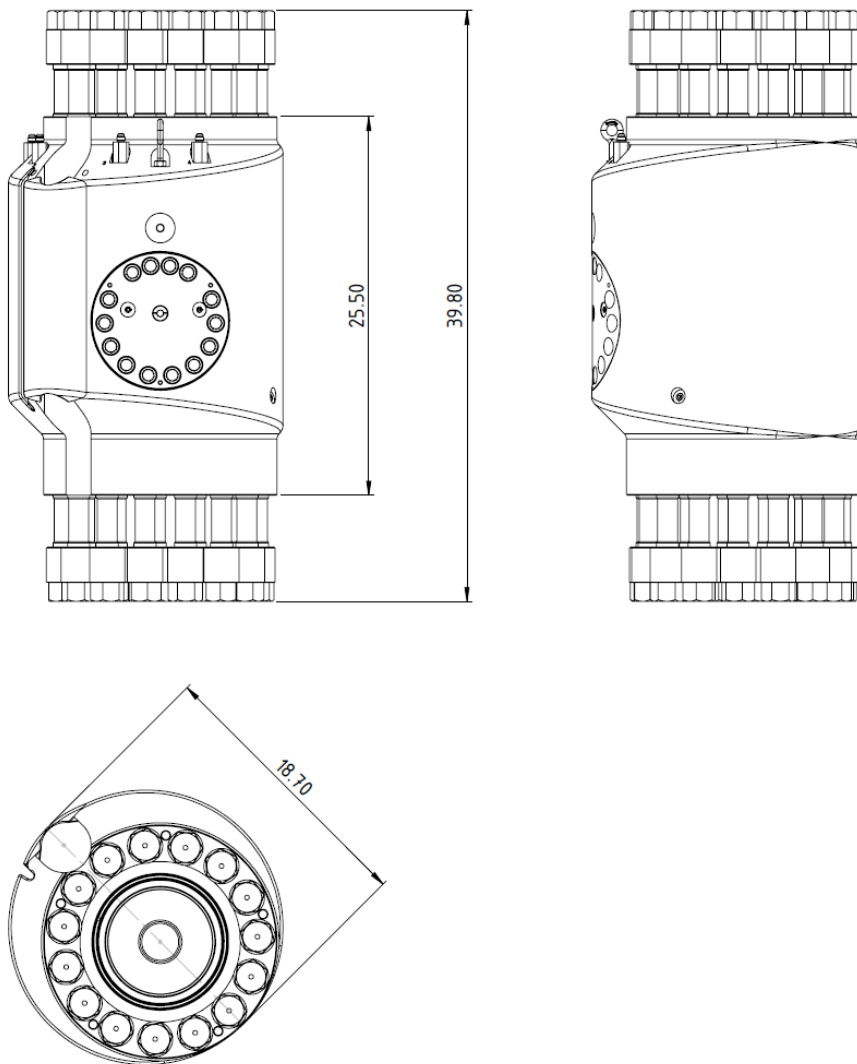
## VALIDATION LEVEL

Service Specification Level	API 17G SSL-Gas
Temperature Class (Operational)	27°F to 250°F / -3°C to +121°C
Design Water Depth (Max)	10,000 ft (3,048 m)

## NOTES

Structural validation testing fully compliant with API 17G 3<sup>rd</sup> Edition – Annex E  
Validation testing of valve is fully compliant with API 17G 3<sup>rd</sup> Edition – Annex G

## PRODUCT LAYOUT DRAWING



The information in this document is uncontrolled and subject to change without notice.

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