



eTube™

Technical Specifications

Operating Range

Pressure Range

Minimum pressure: Atmospheric Pressure (performance in negative pressure is not confirmed)

Maximum pressure:

Temperature (°C)	Maximum Operating Pressure (MPa)	
	2" NPT Male Thread ANSI Class 600 RF Flange	
-40 to 38	9.93	9.93
38 to 50	9.62	9.62
50 to 100	8.44	8.44
100 to 150	7.70	7.70

Temperature Range (units in °C)

Condition	Temp. Range
Normal Operation	-40 to 150
Operative Limits	-40 to 150
Transport & Storage	-40 to 150

Model Number Marking

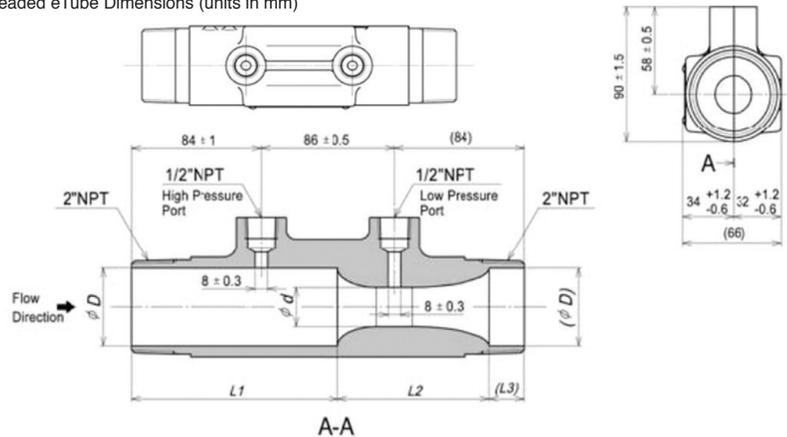
Base Model No. + Selection Code Number

SDR80A

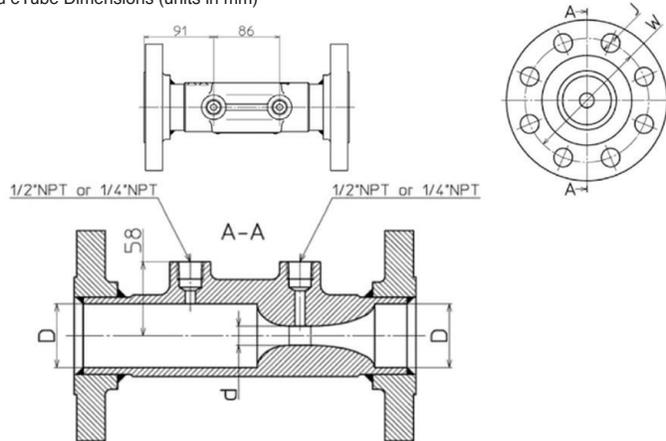
Size	2"	D=50mm	050				
Pipe Schedule	Schedule 80			D			
End Connections	ANSI Class 600 RF Flange			A6			
	2" NPT Male Thread			T1			
Material	F316 Stainless Steel			B			
Beta Ratio	Beta Ratio β=0.3						30
	Beta Ratio β=0.4						40
	Beta Ratio β=0.5						50
	Beta Ratio β=0.6						60
	Beta Ratio β=0.7						70
Pressure Taps	1/2" NPT						A

Structure

Threaded eTube Dimensions (units in mm)



Flanged eTube Dimensions (units in mm)



Material

Part	Material	Remarks
eTube Body	F316 Forged Stainless Steel	JIS G 3214: 1991 SUSF316 [®] (ASTM A182 F316 equivalent)
Nameplate	304 Stainless Steel	
Screws for Nameplate	304 or XM7 Stainless Steel	

Piping Requirements

Note: The eTube may be installed in horizontal piping, vertical piping, or piping of any other angle.

Beta Ratio	Upstream Straight Pipe Length L1						Downstream L2
	Flow eTube	eTube	eTube	eTube	eTube	eTube	
0.3	1.0	1.0	4.0	2.0	1.0	2.0	1.0
0.4	1.0	1.5	4.0	2.5	1.5	2.5	1.0
0.5	1.5	2.5	4.0	5.5	2.5	3.5	1.0
0.6	3.0	3.5	4.0	8.5	3.5	4.5	1.5
0.7	4.0	4.5	4.0	10.5	5.5	5.5	2.0

Flow conditions: Single 90° elbow or Single Tee used as elbow and not as header element; Two 90° elbows in same plane; Two 90° elbows in perpendicular planes; Reducer; Expander; Gate Valve Fully Open; For All Situations.

Note: Numbers show the necessary straight pipe length in multiples of D (pipe inner diameter)

Weight

Beta Ratio	Approximate Weight (kg)	
	Threaded	Flanged
0.3	4.0	12.1
0.4	3.9	12.0
0.5	3.8	11.9
0.6	3.7	11.8
0.7	3.6	11.7

Dimensions (units in mm)

Beta Ratio	D±0.1	d±0.03
0.3	50.0	15.0
0.4	50.0	20.0
0.5	50.0	25.0
0.6	50.0	30.0
0.7	50.0	35.0



Software Solutions

- Create efficiencies and scalability
- Reduce operating cost
- Improve accuracy and timeliness
- Optimize Production

Simplify and scale your business process with Zedi's secure cloud infrastructure built for oil and gas

Increase profitability and operational excellence with real-time analytics for better performing assets, streamlined compliance, and optimized resources. Gain efficiency with anytime, anywhere, access to accurate and reliable data utilizing mobile accessibility to view exactly what you want to see, when you want to see it. Leverage the power of Zedi's industrial IIoT platform and purpose built applications to drive your business forward.



Automation Solutions

- Custom Engineered Solutions
- IIoT Expertise
- Control and Optimization
- Solution to deliver results
- 24/7 Customer Care

Zedi practically started the IIoT revolution with our vision, exploration and innovation

We've been at the forefront of oil and gas technology for over twenty years. Rugged, reliable and accurate Zedi hardware at your well head so you don't have to be. Remotely control a variety of devices from a single easy-to-use network.



Measurement Solutions

- Loaded with safety
- Backed by technology
- On and Off-shore Expertise
- Integrated Lab Data

Safe and reliable field and lab experts backed by technology

Decades of field experience, knowledge of local challenges in production operations, maintenance with top notch, on-site Lab Services. Rigid standards with proven methods combined with fully inspected equipment, and an expertly trained, safety-certified team. Speed and accurate measurement give you laser focused abilities to bring your profit margins higher.



Artificial Lift Solutions

- Best in class Service
- Accelerated production
- Optimized performance
- Wellhead intelligence

Get the most from your reserves with well site intelligence

Remote monitoring and two-way control for any Artificial Lift; from sucker rod pumping, ESP's, PCP's, gas lift, plunger lift and everything in between; we've got you covered! Precise rod string control for rod pumping with sophisticated optimization capabilities with either AC or gas driven hydraulic powerpak options. Hydraulic rod pumping lifecycle flexibility and smaller lease footprint for well site space constraints.



Field Solutions

- Expertly Trained
- Cost Flexibility
- Best in Class Ops
- Loaded with safety

Decades of safe and reliable field experience

Full life cycle well support. From gaining access to remote sites, site design and construction, complete flow operations, to responsible abandonment. Safe, qualified and knowledgeable personnel with decades of experience in an operating range from a single well battery to complete management of field operations. 24/7 monitoring and service with wells remotely supervised, controlled, and alarmed at the fraction of the cost of an operator's time.