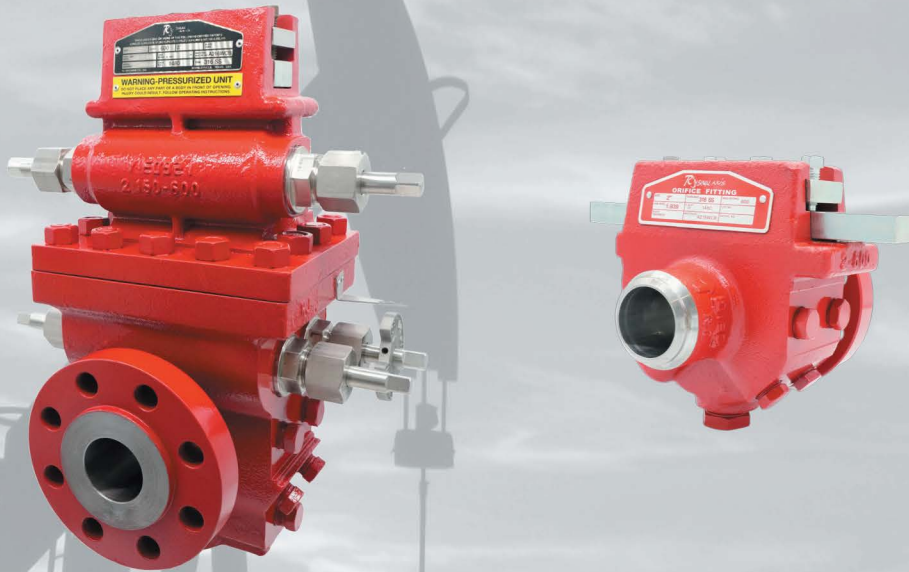


AXIS

DUAL AND SINGLE CHAMBER ORIFICE FITTINGS



Picture credit Eric Kounce TexasRaiser



**MANUFACTURING EXCELLENCE
IN GAS AND PETROCHEMICAL MEASUREMENT**

RJ MACHINE CO.

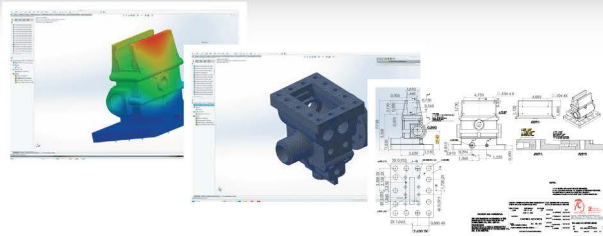


International
IBC Body Certification
ISO 9001:2015



DUAL AND SINGLE CHAMBER ORIFICE FITTINGS

ENGINEERING DESIGN



RJ Machine Co. engineers design Axis fittings to meet or exceed all API 14.3 design criteria for custody transfer measurement. Safety, quality, and ease of use are trademarks of the Axis commitment to our customers.

PRECISION MACHINING

RJ Machine Co. manufacturing teams use leading-edge CNC machining technology to accurately realize detailed engineering designs and specifications into close-tolerance, quality parts and products.



QUALITY ASSURANCE



Quality inspections done during manufacturing per API 14.3

- Hydrostatic pressure
- ID bore
- Tap diameter
- Tap location to plate
- Tap communication
- Plate seal leak
- Seal protrusion
- Orifice bore eccentricity
- Bore roughness
- Seat gap width

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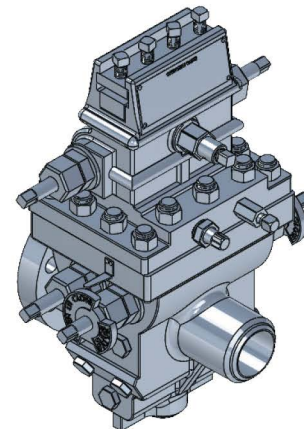
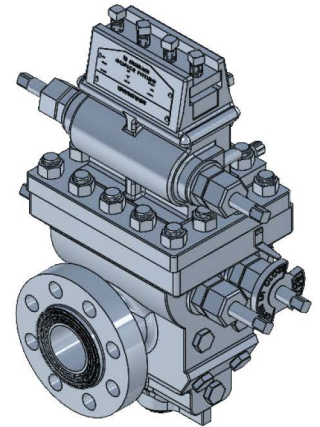
Spare Parts.....



Dual Chamber Orifice Fitting

The Axis Dual Chamber orifice fitting is designed to provide the highest accuracy and safety. RJ Machine engineers ensure the Axis DC meets the exacting requirements of the API 14.3 standard for orifice measurement. When seated in the DC fitting, an orifice will meet eccentricity requirements along with port location, bore size and surface roughness requirements.

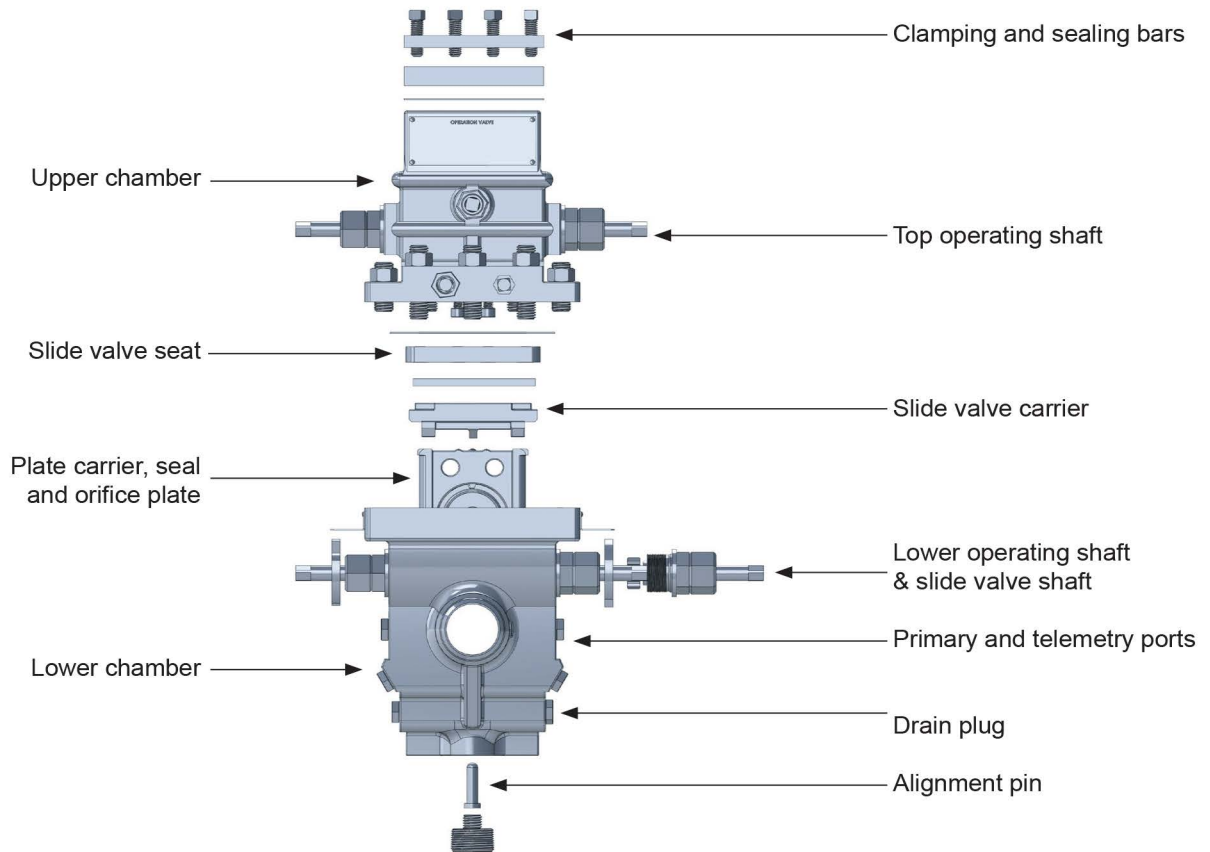
The Axis DC makes removing an orifice plate for inspection and changing both safe and easy without stopping flow or depressurizing the pipeline. Keeping user's safety in mind, Axis manufacturing and quality processes put each fitting through a rigorous inspection process before being approved.



Features and Benefits:

- ▶ 100% quality testing ensures measurement accuracy and leak prevention.
- ▶ Hydrostatic testing for shell strength and slide valve sealing prevents leaks.
- ▶ Extensive dimensional measurements are taken throughout the manufacturing process.
- ▶ 35+ years of parts production goes behind each component in the fitting.
- ▶ All trim materials are chosen to meet latest NACE standards.

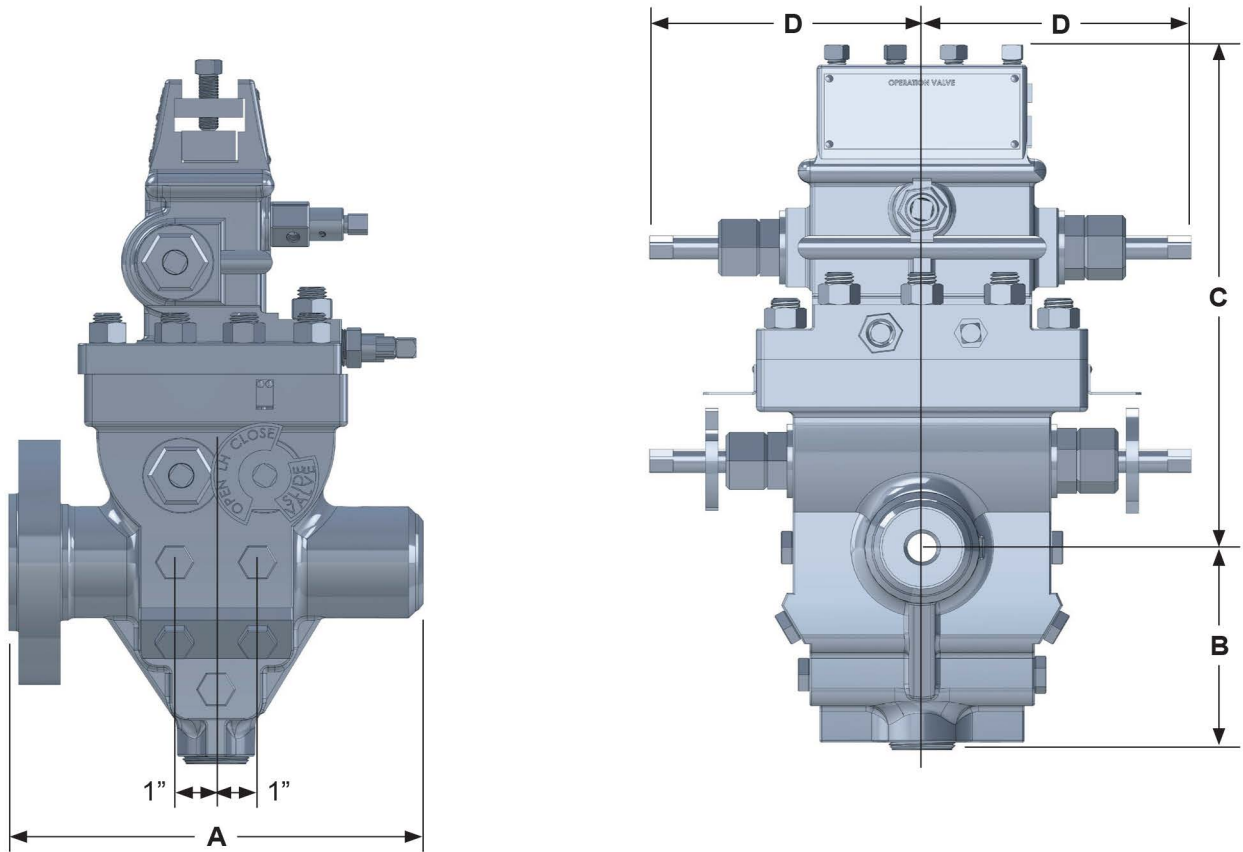
Major Components



Specifications and Options

Line sizes	2" to 8" NPS
Pipe schedule	Sch 40 and Sch 80
Pressure class	600# ANSI
Temperature limits	-20 to 200°F
End connections	Flange X Weld neck
Casting material	WCB
Trim material	NACE
Pressure connections	½" NPT, Primary and telemetry taps on each side
Seal ring material	NBR, HNBR, FKM, PTFE
Operating shafts	Double ended with PTFE packing
Design	According to API 14.3
Please consult factory for other options	

Dimensions and Weights



Axis DC 600# Flange x Weld neck		Line Size				
		2"	3"	4"	6"	8"
Face to face	A	10.62"	14.00"	13.25"	16.00"	16.00"
Centerline to bottom	B	5.32"	5.65"	6.37"	7.26"	8.15"
Centerline to top	C	13.30"	14.25"	16.03"	18.34"	21.00"
Centerline to widest point	D	6.94"	7.81"	8.07"	9.31"	11.56"
Approx. weight		105 lb.	160 lb.	265 lb.	400 lb.	595 lb.

Product numbering

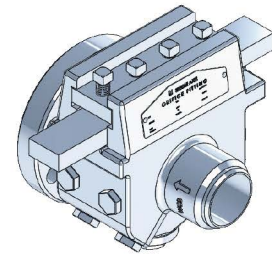
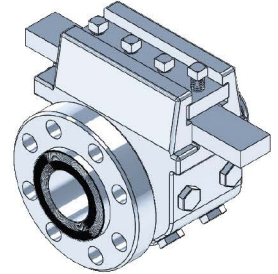
DC-602-14.3-40-FW



Single Chamber Orifice Fitting

The Axis Single Chamber orifice fitting is designed to provide simplicity with the highest accuracy and safety. RJ Machine engineers ensure the Axis SC meets the exacting requirements of the API 14.3 standard for orifice measurement. When seated in the SC fitting, an orifice will meet eccentricity requirements along with port location, bore size, and surface roughness requirements.

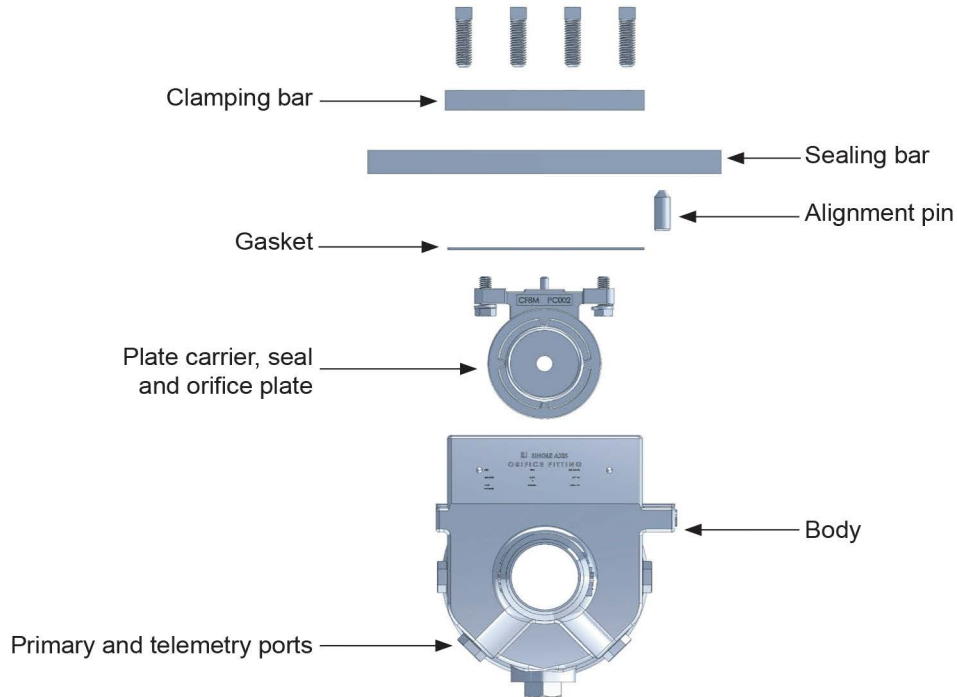
After depressurization of the pipeline, the Axis SC allows for the removal of the orifice plate without the need to separate flanges. The body ensures no liquids will leak out during plate removal.



Features and Benefits:

- ▶ 100% quality testing ensures measurement accuracy and leak prevention.
- ▶ Hydrostatic testing for shell strength prevents leaks.
- ▶ Extensive dimensional measurements are taken throughout the manufacturing process.
- ▶ 35+ years of parts production goes behind each component in the fitting.
- ▶ All trim materials are chosen to meet latest NACE standards.

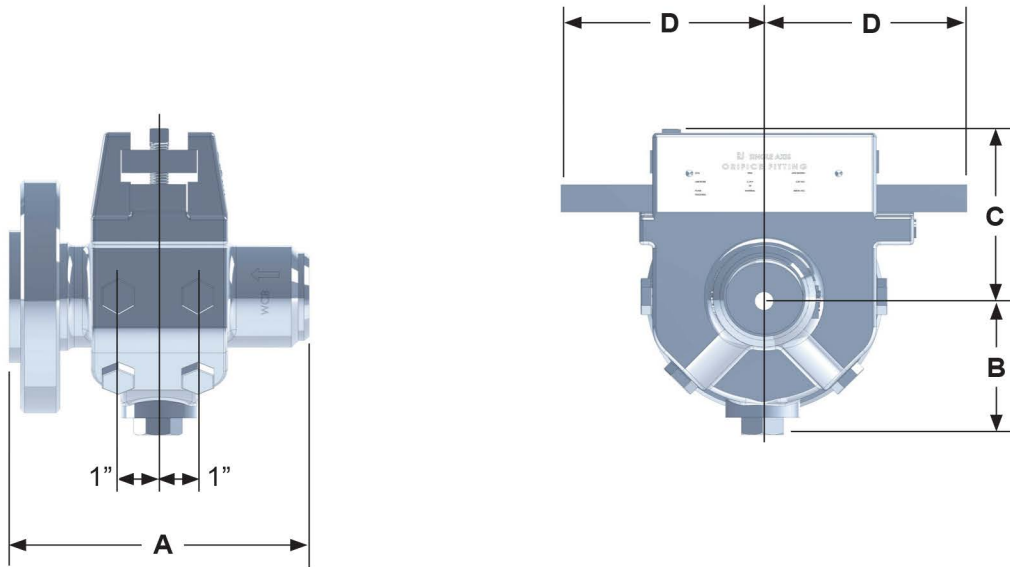
Major Components



Specifications and Options

Line sizes	2" to 8" NPS
Pipe schedule	Sch 40 and Sch 80
Pressure class	600# ANSI
Temperature limits	-20 to 200°F
End connections	Flange X weld neck, weld neck x weld neck
Casting material	WCB
Trim material	NACE
Pressure connections	½" NPT, Primary and telemetry taps on each side
Seal ring material	NBR, HNBR, FKM, PTFE
Operating shafts	Double ended with PTFE packing (only for 8" NPS model)
Design	According to API 14.3
Please consult factory for other options	

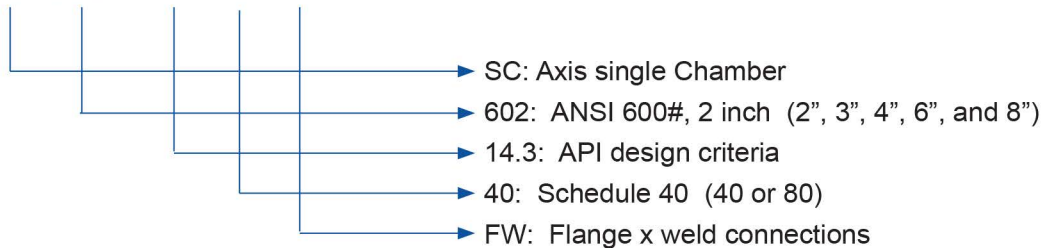
Dimensions and Weights



Axis SC 600# Flange x Weld neck		Line Size				
		2"	3"	4"	6"	8"
Face to face	A	7.9"	8.87"	9.87"	11.36"	14.62"
Centerline to bottom	B	3.78"	3.40"	4.82"	5.59"	8.04"
Centerline to top	C	4.93"	5.50"	6.01"	7.16"	9.11"
Centerline to widest point	D	5.44"	5.88"	6.44"	7.50"	10.57"
Approx. weight		46 lb.	70 lb.	100 lb.	155 lb.	175 lb.

Product numbering

SC-602-14.3-40-FW



Note: Use SC-602-40-WW format for Weld x Weld connections

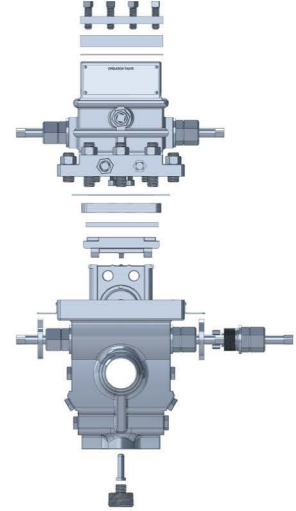



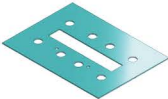
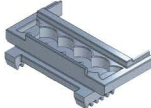
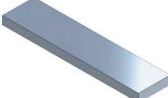






DUAL AND SINGLE CHAMBER ORIFICE FITTINGS

Spare Parts

RJ Machine Co is the leading supplier of orifice fitting parts in the world. For over 35+ years, we have delivered quality, trusted components. We carry inventory to meet demand and have the parts our customers need on the shelf.

We supply parts for single and dual chamber orifice fittings in 2-24" sizes. Below is a partial list of parts available for shipping.



Dual ended shaft		Valve seat gasket	
Valve carrier		Strip	
14.3 Plate carrier		Sealing bar	
Clamping bar		Sealing bar gasket	
Valve seat		Bleed valve	







DUAL AND SINGLE CHAMBER ORIFICE FITTINGS

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Order Online: www.shoprjmachine.com

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