



- Permits “switchover” function
- High flow capacity with minimal pressure drop
- Positive shutoff of isolated branch
- Low cost option to multiple valve and piping configurations
- Low torque operation during switchover
- Provided with red position indicator and lockout protection
- Remote limit switches (optional)

### The Shand and Jurs Model 97190 3-Way Safety Selector Valve

The Shand & Jurs Model 97190 3-Way Selector Valve permits the safe and efficient maintenance of redundant pressure relief systems without any process interruptions. This is achieved through the smooth operation of the valve, allowing full flow from the primary system, to be diverted to the secondary system while providing positive shut off for the isolated system. The switching of the systems through a single valve only requires one connection into the pressure vessel, allowing the quick change over and avoiding the costly depressurizing of the system.

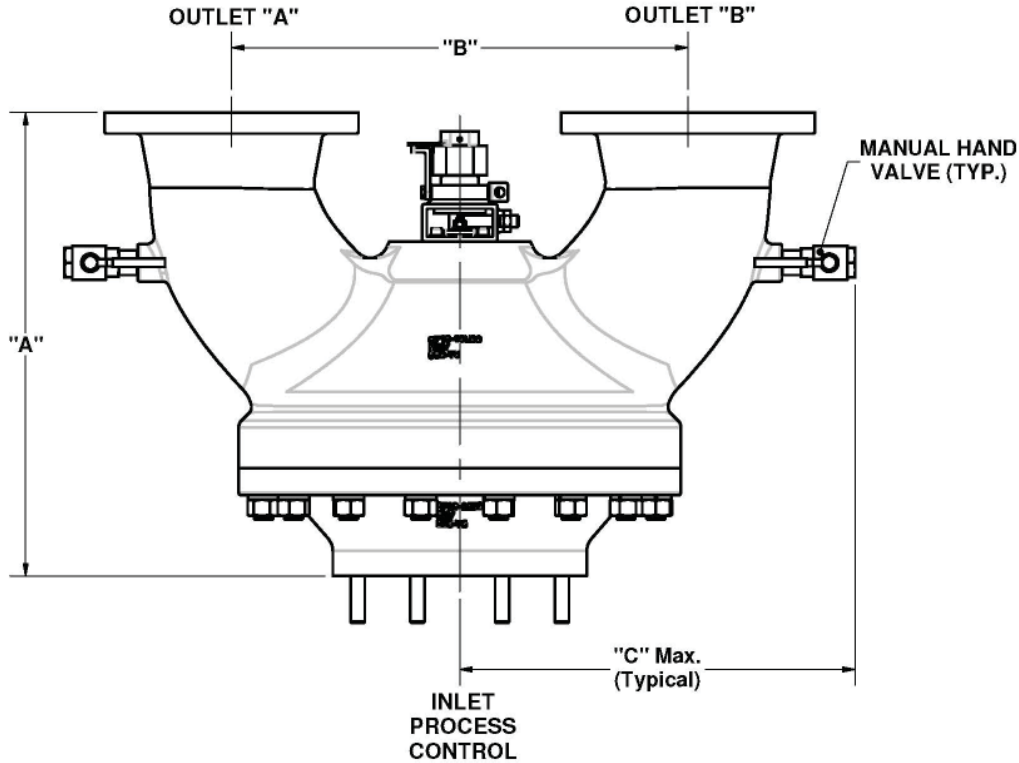
The 97190, 3-Way Selector Valve, is available in sizes from 2” to 10” with ANSI B16.5 150 lb. and 300 lb. raised face or ANSI B16.5 150 lb. flat face flanged connections. The high flow internal configuration is designed to provide maximum capacity under emergency conditions, while providing positive shutoff for the isolated branch. Operation during “switchover” is performed effortlessly with the low friction design of bearings, seats, and seals.

A wide selection of body, rotor and stem materials are available to suit the needs of your specific application. Available materials of construction include 304SS, 316SS, cast steel, and aluminum. Consult the factory for other material selections. The standard seat seal material is Teflon. Consult the factory for other material selections.

Operators are provided for all sizes. The standard operator for the 2” through 10” valves is the nut drive. Worm gear operators with hand wheels are optional (Consult Factory).

Consult Factory for Remote Limit Switch option.

**OUTLINE DIMENSIONS**

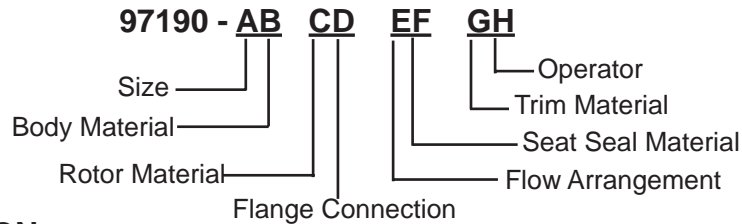


FLANGE CONNECTION	DIMENSION	97190					
		2"	3"	4"	6"	8"	10"
ANSI B16.5 (150 lb. RF)	"A"	11.70 inch (297 mm)	13.26 inch (337 mm)	16.13 inch (410 mm)	20.17 inch (512 mm)	24.69 inch (627 mm)	30.25 inch (768 mm)
	"B"	12.13 inch (308 mm)	14.00 inch (356 mm)	16.50 inch (419 mm)	20.75 inch (527 mm)	24.25 inch (616 mm)	28.00 inch (711 mm)
	"C" (Max.)	11.00 inch (279 mm)	13.00 inch (330 mm)	15.00 inch (381 mm)	19.00 inch (483 mm)	19.0 inch (483 mm)	26.00 inch (660 mm)
ANSI B16.5 (300 lb. RF)	"A"	11.95 inch (304 mm)	13.70 inch (348 mm)	16.63 inch (422 mm)	21.17 inch (538 mm)	25.69 inch (653 mm)	30.25 inch (768 mm)
	"B"	12.13 inch (308 mm)	14.00 inch (356 mm)	16.50 inch (419 mm)	20.75 inch (527 mm)	24.25 inch (616 mm)	28.00 inch (711 mm)
	"C" (Max.)	11.00 inch (279 mm)	13.00 inch (330 mm)	15.00 inch (381 mm)	19.00 inch (483 mm)	19.0 inch (483 mm)	26.00 inch (660 mm)
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All designs subject to change. Certified dimensions and specifications available upon request

### MODEL NUMBER SELECTION:

The model number will consist of a base number 97190 followed by 8 digits which represent the options listed in the following tables.



### ORDERING INFORMATION

Specify:

1. Size
2. Body and Rotor Material
3. Flange Connection
4. Flow Arrangement
5. Seat Seal Material
6. Trim Material



#### SIZE

OPTION A	DESCRIPTION
2	2"
3	3"
4	4"
6	6"
8	8"
9	10"

#### SEAT SEAL MATERIAL

OPTION F	DESCRIPTION
1	TEFLON
2	BUNA

#### MATERIAL (BODY, ROTOR)

OPTION B (BODY)*	OPTION C (ROTOR)*	DESCRIPTION
1	1	304 SS
2	2	CARBON STEEL
3	3	316 SS
4	4	ALUMINUM

\*THE SAME MATERIAL FOR BODY AND ROTOR IS STANDARD CONSTRUCTION. CONSULT THE FACTORY FOR OTHER COMBINATIONS

#### TRIM MATERIAL

OPTION G	DESCRIPTION
1	316 SS

#### FLANGE CONNECTION

OPTION D	INLET	OUTLET
1	ANSI 150# R.F.**	ANSI 150# R.F.**
2	ANSI 300# R.F.**	ANSI 300# R.F.**
3	ANSI 150# F.F.	ANSI 150# F.F.

\*\*RAISED FACE FLANGE NOT AVAILABLE FOR ALUMINUM BODY

#### OPERATOR

OPTION H	DESCRIPTION
1	NUT DRIVE
2	WORM GEAR ***

\*\*\*CONSULT FACTORY FOR WORM GEAR OPERA-

#### FLOW ARRANGEMENT

OPTION E	DESCRIPTION
1	INLET TO OUTLET A/B

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