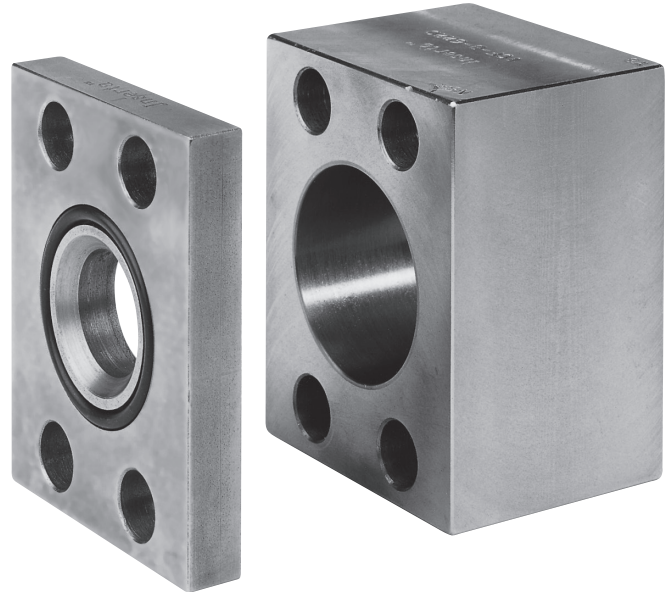


# Inserta Products, Inc.

## CHECK VALVE BODIES WITH SUPPORT MEMBER FLANGE TYPE

INSERTA® ICFS Check Valve Bodies, Flange Type, with their Support Members provide a simple way to install the same nominal size Check Valve or Fixed Orifice Flow Control Valve in a piping system that uses SAE 4-Bolt flange patterns. These bodies accept the INSERTA® ICS Slip-In Type Check Valves, which should be ordered separately. The support member retains the slip-in check valve in the flange body together with the required sealing O-rings. These valve assemblies can be installed on pumps, valves, manifolds and other components that have SAE 4-Bolt ports. The leak resistant O-ring face sealed joint eliminates less desirable pipe connections. The INSERTA® ICS Check Valves, Slip-In Type, can be installed with free flow in either direction.



INSERTA® ICFS Check Valve Bodies, Flange type, with their Support Members are all steel construction.

Patent #6,776,439

### ORDERING INFORMATION

**ICFS - B - 61 24 - N - L - \***

INSERTA®  
CHECK VALVE BODY,  
FLANGE TYPE WITH  
SUPPORT MEMBER

DESIGN CODE

MOUNTING PATTERN

61 = SAE CODE 61  
62 = SAE CODE 62

**SURFACE FINISH**  
EN = ELECTROLESS NICKEL  
OMIT = UNPLATED

**OPTIONAL LONG BODY  
REQUIRED FOR 60 & 90 PSI  
CHECK VALVES**  
(OMIT FOR STANDARD BODY)

**SEAL MATERIAL**  
N = BUNA N  
V = VITON

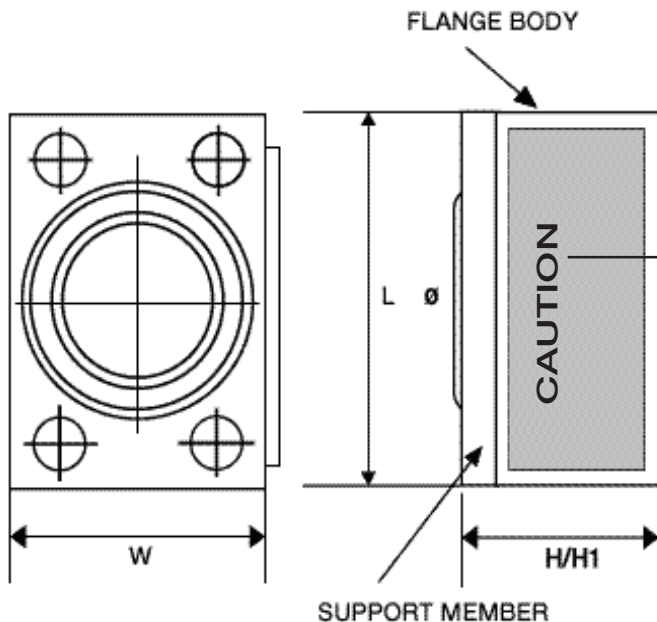
**NOMINAL SIZE**

20 = 1 1/4    40 = 2 1/2  
24 = 1 1/2    48 = 3  
32 = 2

Inserta Products, Inc.  
Blue Bell, Pa. 19422

CHECK VALVE BODIES  
WITH  
SUPPORT MEMBER  
FLANGE TYPE





**CAUTION**  
 Care must be exercised when installing check valve to insure the free flow path of the slip-in check valve is correct for the system in which it is installed.

**SAE CODE 61**

MOUNTING PATTERN - SIZE	NOMINAL SIZE	NOM. FLOW RATE (GPM)	W	H	H <sub>1</sub> *	L	SLIP-IN CHECK VALVE PART NO.	O-RING SIZE NO.
6120	1 1/4	75	2.25	2.25	3.00	3.00	ICS*-20-***	222
6124	1 1/2	110	2.50	2.75	3.25	3.75	ICS*-24-***	225
6132	2	200	3.25	3.50	4.25	4.00	ICS*-32-***	228
6140	2 1/2	300	3.50	4.25	4.50	4.50	ICS*-40-***	232
6148	3	400	4.00	4.25	5.00	5.00	ICS*-48-***	237

**SAE CODE 62**

MOUNTING PATTERN - SIZE	NOMINAL SIZE	NOM. FLOW RATE (GPM)	W	H	H <sub>1</sub> *	L	SLIP-IN CHECK VALVE PART NO.	O-RING SIZE NO.
6220	1 1/4	75	2.50	2.50	3.25	3.50	ICS*-20-***	222
6224	1 1/2	110	3.00	2.75	3.25	4.25	ICS*-24-***	225
6232	2	200	3.50	3.75	4.50	5.00	ICS*-32-***	228
6240	2 1/2	300	4.25	4.25	4.50	6.00	ICS*-40-***	232
6248	3	400	5.00	4.25	5.00	8.00	ICS*-48-***	237

NOMINAL FLOW RATINGS SHOWN ARE WITH A Δ P OF 20 TO 40 PSI WITH ICS CHECK VALVE INSTALLED  
 In applications where the valve is subject to sudden shock opening or closing (e.g. Accumulator System), the nominal rated flow must not be exceeded and a minimum cracking pressure of 15 PSI is required.  
 THE PRESSURE RATING OF THESE VALVE ASSEMBLIES MAY BE LIMITED BY THE ICS CHECK INSERT. REFER TO THE ICS DATA SHEET.

OPERATING MEDIUM:  
 HYDRAULIC FLUID  
 VISCOSITY RANGE:  
 50 SSU TO 2000 SSU  
 CRACKING PRESSURE:  
 3 PSI, 7 PSI, 15 PSI (STANDARD) OR 30 PSI.  
 \* 60 PSI & 90 PSI, OPTIONAL WITH LONGER BODY.  
 TEMPERATURE RANGE:  
 -22° F (-30° C) TO 175° F (80° C)

<p><b>Inserta Products, Inc.</b>                  Blue Bell, Pa. 19422</p>	<p><b>CHECK VALVE BODIES WITH SUPPORT MEMBER FLANGE TYPE</b></p>	
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