CHECK VALVES
SLIP-IN TYPE

INSERTA® ICS Check Valves, Slip-In Type, can be inserted in manifolds, subplates, flanges or integrated valve systems. This compact design eliminates external leak points associated with line mounted check valves. These check valves can control flow in or out depending on how they are inserted into the machined cavity. These disc check valves are also available with a fixed orifice for customers’ specific quantity requirement.

INSERTA® ICS Check Valves, Slip-In Type, are all steel construction with hardened, lapped discs and seats providing positive fluid shut off. They come complete with O-rings.

ORDERING INFORMATION

ICS-D-24-N015-RØ

FLOW CONTROL OPTION

R = FIXED RESTRICTIVE ORIFICE
Ø = DIAMETER (INCH) OF THE FIXED ORIFICE. CUSTOMER MUST SPECIFY THE ORIFICE DIAMETER.
SEE "Rø" ON DATA SHEET FOR MAX. ORIFICE DATA. (MIN. Ø = .016)
(OMIT FOR STANDARD CHECK VALVE)

CRACKING PRESSURE

003 = 3 PSI
007 = 7 PSI
015 = 15 PSI (STANDARD)
030 = 30 PSI
060 = 60 PSI
090 = 90 PSI

SEAL COMPOUND

N = BUNA-N (STANDARD)
V = VITON

Inserta Products, Inc.
Blue Bell, Pa. 19422
**OPERATING MEDIUM:** HYDRAULIC FLUID

**MAXIMUM OPERATING PRESSURE:**

-22°F (-30°C) TO 175°F (80°C)

**NOTE:** MINIMUM ORIFICE = .016 DIAMETER

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.

**MACHINED CAVITY DIMENSIONS**

Surface Finish to be 63

**NOTE:** 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 CHECK VALVE.

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### NOMINAL FLOW RATES

**ARE WITH A △P OF**

20 TO 40 PSI

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### TABLE

<table>
<thead>
<tr>
<th>VALVE SIZE</th>
<th>G</th>
<th>H MAX.</th>
<th>J MAX.</th>
<th>K MAX.</th>
<th>L +.002</th>
<th>L1* +.002</th>
<th>M MAX.</th>
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<td>.906</td>
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**MOUNTING POSITION:**

OPTIONAL

**MAXIMUM OPERATING PRESSURE:**

5000 PSI (Contact the Factory for pressures up to 7250 PSI)

**TEMPERATURE RANGE:**

-22°F (-30°C) TO 175°F (80°C)

**OPERATING MEDIUM:** HYDRAULIC FLUID

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**CHECK VALVES SLIP-IN TYPE**

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