## Inserta Products, Inc.

## CHECK VALVE GUIDED DISC THREAD-IN TYPE STAINLESS STEEL

INSERTA® IGT (Stainless Steel) Check Valves Guided Disc, Thread-In type, with threads compatible with O-ring port cavities made to SAE J1926-1, can be inserted in manifolds, subplates, flanges, and integrated valve systems.

Valve components are made from austenitic and precipitation hardened stainless steels. They may be considered in applications where broader operating temperature ranges are required, or for use with operating media that may be corrosive to standard steels.

The guided disc design (patent pending) provides superior resistance to wear in conditions prone to turbulence, which may induce valve disc flutter in an unguided disc. The guided disc is also less prone to chatter in low flow states.

Valve discs and seats are hardened and flat lapped for positive fluid shut off.

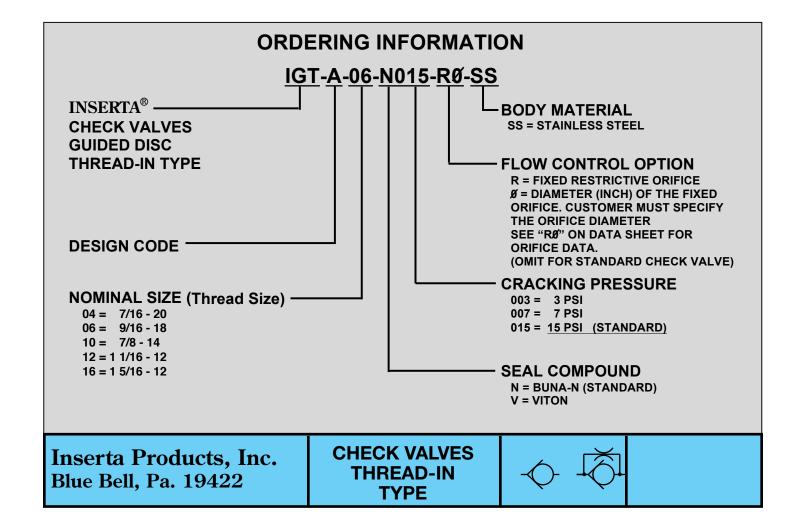
The valve disc may be provided with a customer specified orifice to provide fixed orifice flow control function in the checked direction.







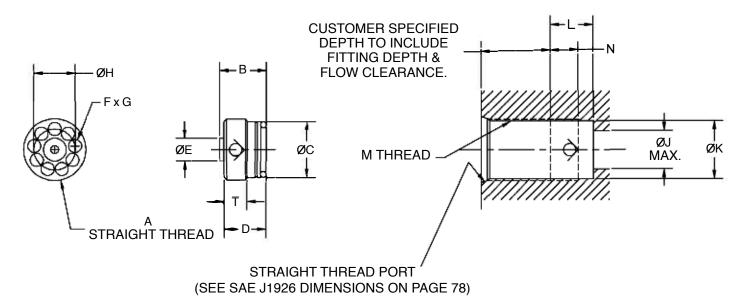
**Patent Pending** 



VALVE SIZE	NOMINAL FLOW (GPM)	VALVE DIMENSIONS									): -	INSTALLATION	SEATING TORQUE	RØ MAX
		Α	В	С	D	Е	F	G	Н	Т	NO. (mm)	TOOL	LB-FT	IIIAX
04	3	7/16-20	.470	.372	.470	ŀ	თ	**	.248	.352	011	IMT-G-04	1-2	
06	6	9/16-18	.459	.494	.459	ı	6	.10	.345	.271	012	IMT-C-06	1-2	.044
08	12	3/4-16	.575	.673	.530	.240	8	.15	.453	.290	(13X2)	IMT-C-08	2-3	.055
10	17	7/8-14	.690	.787	.635	.300	8	.17	.565	.359	(16X2)	IMT-C-10	7-8	.078
12	12	3/4-16	.575	.673	.530	.240	8	.15	.453	.290	(13X2)	IMT-C-08		.055
16	35	1 5/16-12	1.024	1.210	.898	.490	9	.27	.875	.515	213	IMT-C-16	27-29	.200

<sup>\*</sup>Torques specified are for lubricated surfaces

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 cracking pressure of 15 PSI is recommended.



## SEE PAGE 72 FOR INSTALLATION TOOL ORDERING INFORMATION

MATERIAL:

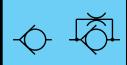
BODY 316 STAINLESS STEEL
VALVE DISC 17-4 PH STAINLESS STEEL
VALVE SEAT 17-4 PH STAINLESS STEEL

VALVE	MACHINED CAVITY DIMENSIONS									
SIZE	J	K 005	L	M	N					
04	.188	.389	.470	7/16-20	.315					
06	.281	.508	.459	9/16-18	.300					
08	.406	.689	.575	3/4-16	.365					
10	.500	.804	.690	7/8-14	.430					
12	.625	.978	.815	1 1/16-12	.522					
16	.813	1.228	1.024	1 5/16-12	.671					

MOUNTING POSITION:
OPTIONAL
MAXIMUM OPERATING PRESSURE:
6000 PSI (Contact the Factory for
Pressures up to 7250 PSI)
TEMPERATURE RANGE:
-40°F (-40°C) To 200°F (93°C)
(Depending on seal material)

OPERATING MEDIUM:
HYDRAULIC FLUID
VISCOSITY RANGE:
50 SSU TO 2000 SSU
CRACKING PRESSURE:
3 PSI, 7 PSI, 15 PSI (STANDARD)

Inserta Products, Inc. Blue Bell, Pa. 19422 CHECK VALVES
GUIDED DISC
SLIP-IN TYPE



<sup>\*\* .064</sup> Wide Slots