

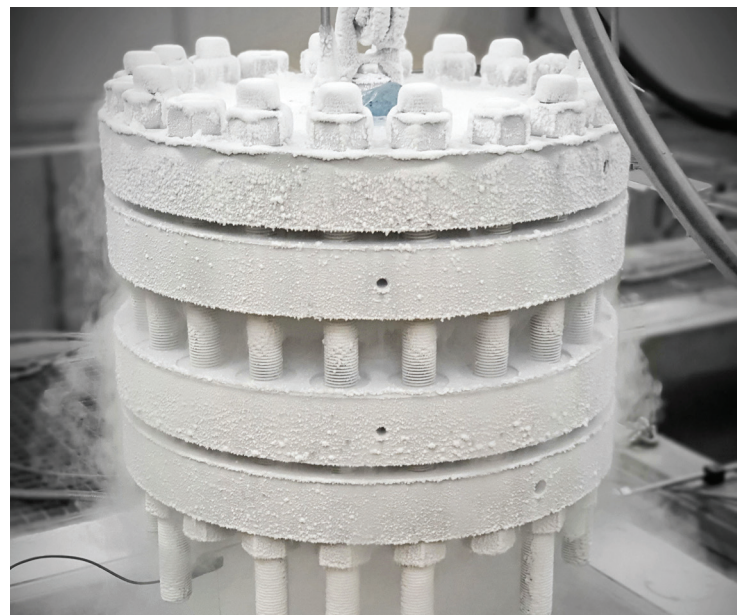
NOZ-CHEK[®]

Noz-Chek[®] Cryogenic Valves

www.cranecpe.com

IMPROVED PERFORMANCE FOR CRYOGENIC SERVICE

- 1 **BS 6364:** Our Noz-Chek product line currently meets stringent standards such as ISO 28921, MSS SP-134 and Shell 77/200. Now, this product line can also be offered to meet the rigorous requirements of **BS 6364 (300 CC/MIN/IN) AS STANDARD** at -196°C / -320°F with tighter leak rates available to suit our customers' needs.
- 2 **IN-HOUSE TESTING:** The low temperature and Cryogenic High Pressure gas testing is carried out on site in our **STATE OF THE ART TESTING FACILITY** ensuring the Crane commitment to quality. Test capability 1" to 72" and pressures of 22,500 PSI.
- 3 **BACKFLOW PROTECTION FOR CRYOGENIC COMPRESSORS:** Our proven engineered check valves provide **QUICK, DYNAMIC, RESPONSE TIMES** and ensure low leak rates that protect expensive rotating equipment from damaging effects of backflow and water-hammering.



- 4 **ZERO FUGITIVE EMISSIONS:** Our Noz-Chek product is composed of a single piece, solid body, which has **NO BODY PENETRATIONS OR EXTERNAL LEAKPATHS** ensuring the Crane commitment to environmental responsibility!
- 5 **PRODUCT IMPROVEMENTS WITH THE SAME VALUES:** Born from our dedication to our customers, our longstanding commitments to **SAFETY, INNOVATION, & QUALITY** continue to ensure our position as a market leader.

CRANE[®]

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Noz-Chek® Cryogenic Valves

Size Range*

- 1" – 48" (Test capability 1" to 72" and pressures of 22,500 PSI)

Pressure Rating

- ASME B16.34 & API 6D, pressure classes 150 – 4500
- API 6A pressure classes 2000 – 15,000

Materials of Construction

- Body / Seat / Disc : ASTM A351 Grade CF8M 316 Stainless steel
- Spring: Inconel X750 or 316SS
- Cryogenic spring energised PTFE seal

Body Configurations

- Double Flanged
- Butt-weld ends
- API6D face to face
- Manufacturer's standard face to face

Compliance

- ASME B16.34
- ISO 28921
- API 598
- MSS SP-134
- BS 6364
- API 6D

Special Options

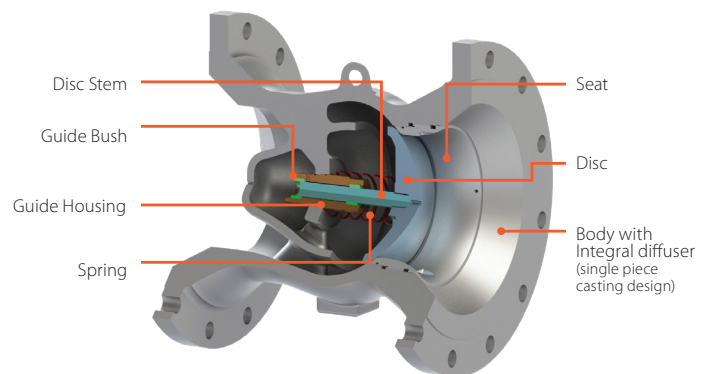
- LNG
- Ethylene Production
- Air Separation Units
- Cryogenic compressor protection

Typical Applications

- Our valves can be tailored to meet the specific flow conditions of the application

Zero Fugitive Emissions

- No Bonnet
- Single piece body design means no flanged joint between connecting body parts
- No penetrations for retainers
- End Flanges are Integrally Cast.



Temperature Range

Material	Material Temperature Range			Valve Temperature Range	
	Stainless Steel	Low Temperature Carbon Steel	Cryogenic Seal	Stainless Steel	Low Temperature Carbon Steel
°C	455°C	343°C	250°C	80°C	80°C
	-196°C	-46°C	-196°C	-196°C	-46°C
°F	851°F	649°F	482°F	176°F	176°F
	-320°F	-50°F	-320°F	-320°F	-50°F

*Additional materials, sizes, pressure classes, leak-rates and configurations available on request

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Crane ChemPharma & Energy, Noz-Chek®

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