



Poseidon Deepwater Solutions

Technical Data

20,000 psi rated
Cracking Pressure
15 psi
Cv 4.9

Temperature Range
32F to 180F

Qualification

Qualified to API 16D on
NAS 11 water

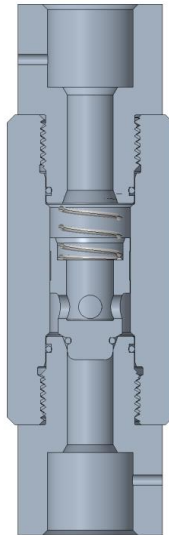
Operating Mediums
Water-based fluids
Oil-based fluids

Material Construction
Body N50
Sealing Seat- N50
Poppet Body – 316 SS
Main Seal – PTFE
Seals – PTFE

Connections
3/4" MP
3/4" NPT
3/4" Swagelok
-12 JIC

Warranty
12/18 Against Materials,
Craftsmanship, and Defects.
*Full 3-year field warranty
for repairability*

KRATOS 3/4" CHECK VALVE



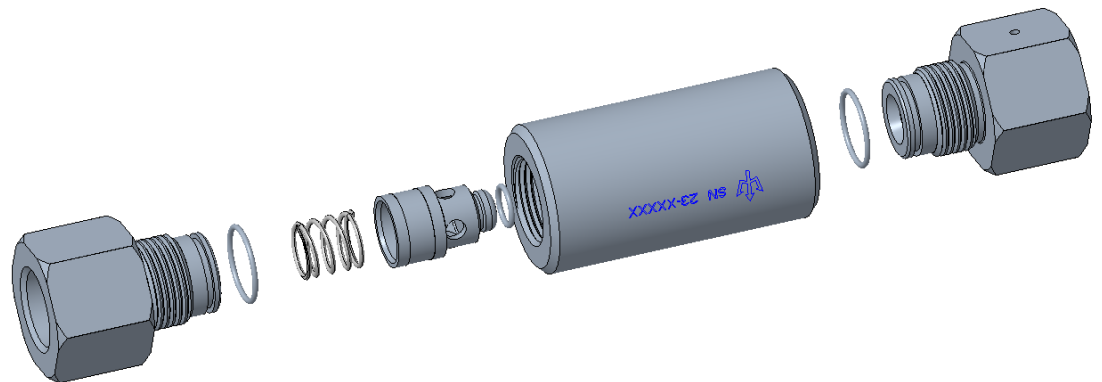
The 20,000 psi rated KRATOS check valve is available in a 3/4" trade size. Unlike traditional check valves the sealing mechanism is tolerant of debris.

The check poppet features a dual sealing system with a soft seal for low pressure contact, and a metal to metal interface once pressure builds.

Long term field trials show an order of magnitude improvement in life over conventional check valves.

Repairable – The KRATOS is field repairable with minimal effort. The end caps are symmetrical allowing a fully redundant seal seat during operation.

Configurable – The KRATOS is made with end caps on both ends which can have different connections. This allows the check valve to have native connections or be used as an adapter from one connection to the next, which can eliminate adapters, fittings, headaches, etc. (pressure rating based on lowest rating of end adapter)



Contact PDS Sales for detailed dimensional information and custom configurations

www.poseidondeepwatersolutions.com

Sales@poseidonds.com

Office 281-725-0030

R001



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Material Construction

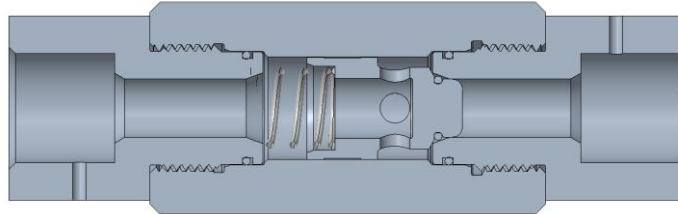
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Sealing Seat- N50
Poppet Body – 316 SS
Main Seal – PTFE
Seals – PTFE

Connections

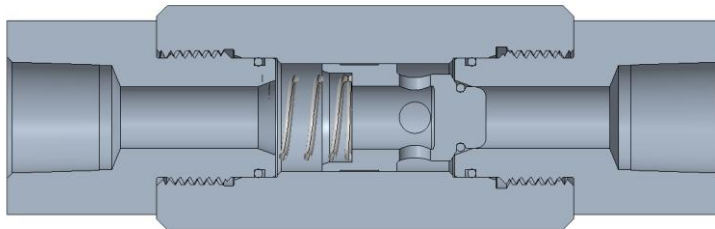
3/4" MP
3/4" NPT
3/4" Compression
-12 JIC

KRATOS

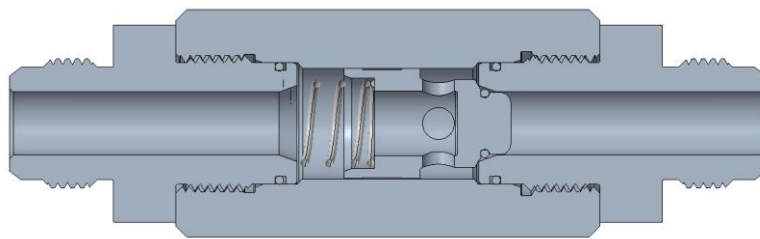
3/4" CHECK VALVE STANDARD CONFIGURATIONS



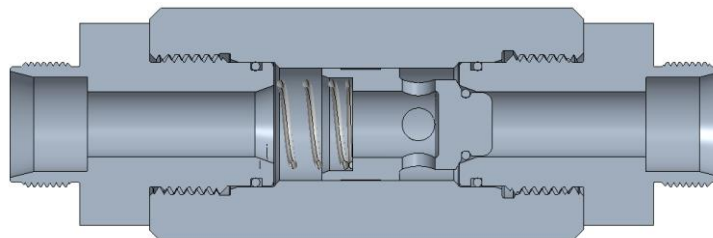
K3-100 : 3/4" MP 20,000 psi



K3-101 : 3/4" NPT, 15,000 psi



K3-102 : -12 JIC, 5,000 psi



K3-103 : 3/4" COMPRESSION 5,000 psi

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