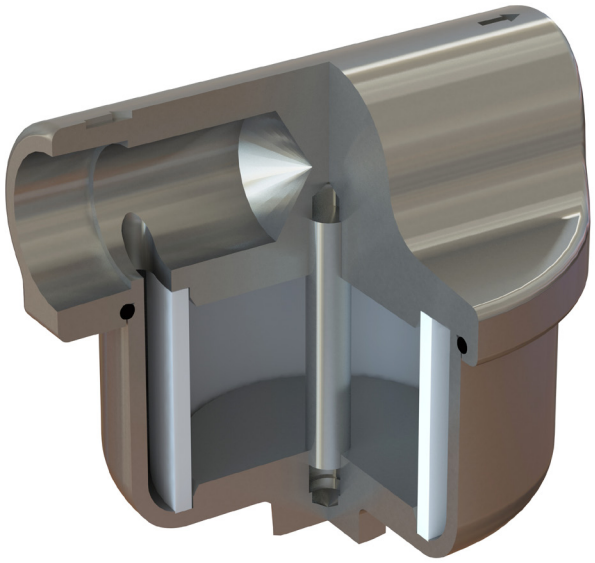
CheckPoint ST
Chemical Filter



HOUSING MATERIAL
316 SS

ELEMENT MATERIALS
- 316 SS
- PTFE
- UHMWPE

LARGE WETTED SURFACE AREA
- Minimal pressure drop
- 40 and 140 micron element porosity
- Excellent flow ratings

EASY MAINTENANCE
- Assemble with low clearance
- Quickly disassemble without tools

ELEMENT SIZES
- ½" NPT – 1.75 X 2.0
- 1" NPT – 3.00 X 2.0

MODEL	CATEGORY	PORT SIZE FNPT IN (MM)	FILTER ELEMENT MATERIAL	MAXIMUM PARTICLE SIZE MICRONS	COLLAPSE RATING PSIG (BARG)	BODY MATERIAL	PRESSURE RATING MAWP	BURST PRESSURE PSIG (BARG)	FLOW FACTOR C_V (K_V)
FSTS0840	Bowl	1/2" (12.70)	UHMWPE	40	30 (2.07)	316 SS	500	2,300 (158.58)	1.54 (1.33)
FSTS08140	Bowl	1/2" (12.70)	316 SS	140	10 (0.69)	316 SS	500	2,300 (158.58)	3.40 (2.94)
FSTS1640	Bowl	1" (25.40)	PTFE	40	30 (2.07)	316 SS	125	540 (37.23)	2.31 (2.00)
FSTS16140	Bowl	1" (25.40)	316 SS	140	10 (0.69)	316 SS	125	540 (37.23)	5.60 (4.84)

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CheckPoint **ST**
Chemical Filter

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CheckPoint designed the **ST Chemical Filter** to fit the niche between expensive, high-pressure chemical filters and inexpensive, less protective Y-strainers. The ST Chemical Filter utilizes filtration qualities found in high-pressure filters, such as increased system protection and a chemically inert element. The ST filter is housed in 316 SS, with chemically inert filter elements available in 316 SS, PTFE and UHMWPE. The surface areas of both the ½" and 1" filter elements are greater than the surface area of a typical Y-strainer, which allows for tighter filtration (as little as 40 microns) and excellent flow ratings. CheckPoint's ST filter was engineered with easy installation and maintenance in mind. Its filter element is very large relative to its connection size, which enhances system performance by maximizing the time between filter element maintenances. CheckPoint's simple flow-through design minimizes the pressure drop through the filter, allowing for the bowl to be removed for service with minimal spillage. Disassembly for maintenance requires no tools, and the unit's low clearance requirement provides easy access. With the ST Chemical Filter, CheckPoint optimizes the effectiveness of the system's filtration, while providing the perfect balance of quality and price.