

Gas-Sentinel Filter Element

Particulates, such as iron oxides, oil, iron sulfides, pipe scale, dirt, and various other solid & liquid contaminants, are common in natural gas processing systems. By effectively removing these contaminants, maintenance costs can be reduced and problems downstream can be prevented.

The Clark Reliance Gas-Sentinel Filter Element is specifically designed to remove solid and liquid contaminants from gas streams at the micron sizes specified. Sentinel elements utilize serial filtration technology to layer medias based on key performance characteristics.

The pleated construction provides extended service life incorporating a durable synthetic media capable of handling extreme service requirements in which erosion may have been a problem. The multilayer media is capable of handling high flow rates, extended filter life, and exceptional dirt holding. In applications where capacities have exceeded the design of existing vessels, the Sentinel elements have been used without an increases in differential pressure.



Construction

- Media: Pleated Micro-glass
- Core: Louvered Carbon Steel
- End Caps: Carbon Steel
- Gaskets: Buna-n, or Viton

Operational Data

Recommended Initial Differential Pressure:	<2 psid
Maximum Recommended Element ΔP :	15 psid
Maximum Core Differential Pressure:	35 psid
Maximum Operating Temperature:	240° F

Gas-Sentinel elements are constructed with the proven technology of borosilicate microfiberglass filter media that offers the highest level of particle retention at the lowest pressure drop.



Nomenclature

CRSF – 336 – 01 – VCP

Dimensions

12	3" x 12"
24	3" x 24"
36	3" x 36"
72	3" x 72"
312	4.5" x 12"
324	4.5" x 24"
336	4.5" x 36"
372	4.5" x 72"
536	5.5" x 36"
572	5.5" x 72"

Micron

01	1μ
05	5μ
10	10μ
20	20μ

End Configurations

N	Thick Neoprene
V	Standard Viton
B	Standard Buna-N

Extended Part

CE	Closed end with Bolt Hole
CP	Closed end with Post