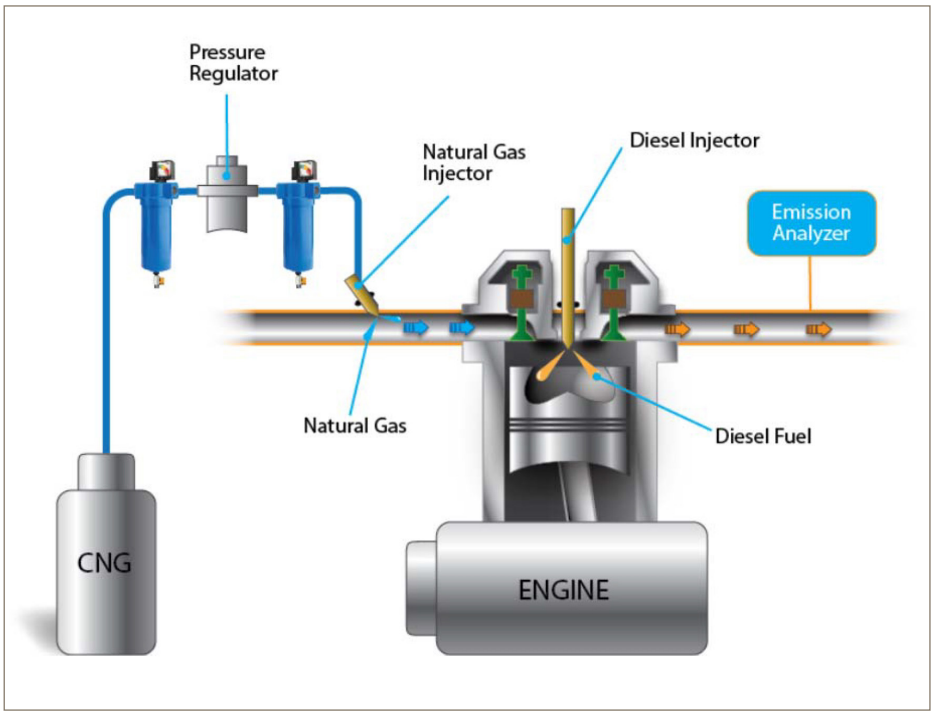
CNG Filtration for Dual Fuel Applications

Protect Your Equipment and Maximize Uptime

H-Series Filters Protect Your Dual Fuel Engines

The Parker Finite H Series Natural Gas Filters protect your equipment when running on wellhead or pipeline natural gas. Parker's filter element technology is formulated to remove contamination from and provide your engine with clean, contaminant free natural gas for maximum uptime and efficiency. The H Series housings are designed for rough service applications with a 500 psig pressure rating, a robust cast aluminum head, and a durable impact extruded aluminum bowl. For wellhead applications the gas quality is always different. You need to plan for the worst to get the most out of your equipment. There is no time to adjust to every job site. Two stages of filtration are recommended for wellhead gas: a 100WS liquid separator element, followed by a 7CVP coalescing filter element.



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Product Features:

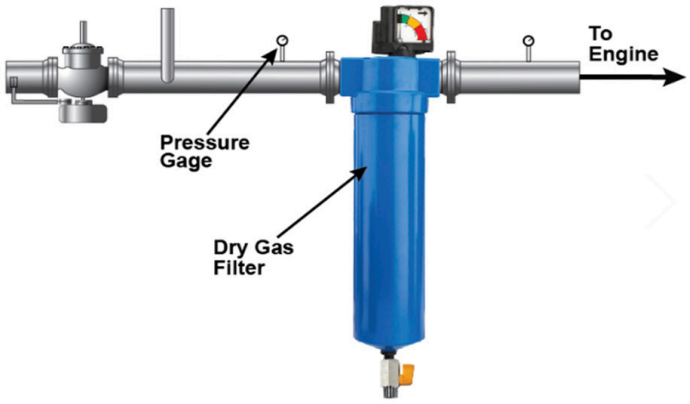
- Removes up to 99.995% of .01 micron particulates and fine aerosols of oil and liquid over a wide range of flow
- Provides clean, contaminant-free natural gas.
- Designed for rough service applications.
- Pressure rating to 500 psig.
- Robust, cast-aluminum head.
- Durable, impact extruded aluminum bowl.

Parker Finite

ENGINEERING YOUR SUCCESS.

Designed for High Flow and Low Pressure Drop

Keeping your dual-fuel powered rig running trouble free is key to your efficiency and profitabilty. Filtering Natural Gas is tricky business. It's thinner than air, and there can be large fluctuations in flows. The unique Parker Finite Uni-Cast element design provides the ultimate performance removing up to 99.995% of .01 micron particulates and fine aerosols of oil and liquid over a wide range of flows.

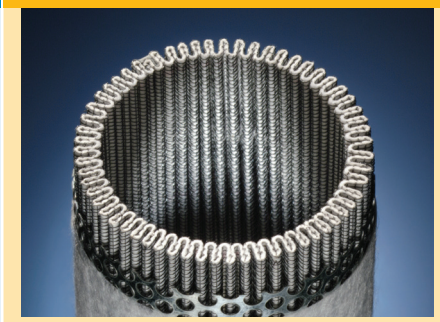


Element Grades

Grade 100WS

Liquid separator to remove bulk liquid and particulate from wellhead natural gas. Cleanable. High flow, low pressure drop. First stage filtration for dirty wet gas.

Grade 7CVP



Heavy duty coalescing filter with proprietary media saturant designed to remove high loading of liquid aerosols and fine particulate from natural gas. High flow, low pressure drop. First stage for pipeline gas or second stage for wellhead gas.

Grade 10C, 6C, 4C

Heavy duty, high efficiency unique depth style Uni-Cast coalescing element designed to remove all remaining liquid aerosols and fine particulates over a wide range of flows. Great final stage filter to ensure reliability of dual fuel systems.

Filtration Recommendations

Dirty Wet Gas → Clean Gas

For Wellhead Gas

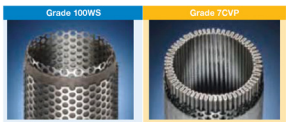
Stages of Filtration needed: 3

Grades: 100WS + 7CVP + 10C, 6C or 4C

For Bulk Pipeline Gas

Stages of Filtration needed: 2

Grades: 7CVP + 10C, 6C or 4C



For Clean Pipeline Gas

Stages of Filtration needed: 1

Grade: 10C, 6C or 4C

Technical Specifications

Rated Flows: SCFM @ 100PSIG (m3/hr @ 7 bar)

Housing Assembly	Port Size	Grade 100WS Water Separator	Grade 7CVP Coalescer	Grade 10 Uni-Cast Coalescer	Grade 4 Uni-Cast Coalescer
		1st stage for very wet gas	1st stage for semi-wet gas or 2nd stage after 100WS	1st stage for pipeline gas	Final stage before injector
HN4S	1”	232 (394)	N/A	166 (282)	76 (129)
HN4L	1”	232 (394)	N/A	232 (394)	106 (180)
HN5S	1 1/4”	415 (706)	415 (706)	415 (706)	190 (323)
HN6S	1 1/2”	600 (1020)	600 (1020)	600 (1020)	260 (442)
HN8E	2”	600 (1020)	600 (1020)	600 (1020)	260 (442)
HN8S	2”	750 (1275)	750 (1275)	750 (1275)	340 (578)
HN8L	2”	1035 (1760)	1035 (1760)	1035 (1760)	470 (799)
HN0L	2 1/2”	1330 (2261)	1330 (2261)	1330 (2261)	600 (1020)
HN12L	3”	1660 (2822)	1660 (2822)	1660 (2822)	750 (1275)

Media Specifications

Media Grade	Coalescing Efficiency 0.3 to 0.6 Micron Particles	Maximum Oil Carryover[1] PPM w/w	Micron Rating	Pressure Drop (PSID) @ Rated Flow[2]	
				Media Dry	Media Wet
4	99.995%	0.003	0.01	1.25	3 - 4
6	99.97%	0.008	0.01	1.0	2 - 3
7	99.5%	0.09	0.5	0.25	0.5 - 0.7
10	95%	0.85	1.0	0.5	0.5
100WS	99+%[3]	N/A	100	<0.25	<0.25

Replacement Elements

Housing Assembly	Port Size	Grade 100WS Water Separator	Grade 7CVP Coalescer	Grade 10 Uni-Cast Coalescer	Grade 4 Uni-Cast Coalescer
		1st stage for very wet gas	1st stage for semi-wet gas or 2nd stage after 100WS	1st stage for pipeline gas	Final stage before injector
HN4S	1”	100WSU15-060 X 1	N/A	10C15-060 X 8	4C15-060 X 8
HN4L	1”	100WSU15-095 X 1	N/A	10C15-095 X 8	4C15-095 X 8
HN5S	1 1/4”	100WS25-130 X 1	7CVP25-130 X 1	10CU25-130 X 1	4CU25-130 X 1
HN6S	1 1/2”	100WS25-130 X 1	7CVP25-130 X 1	10CU25-130 X 1	4CU25-130 X 1
HN8E	2”	100WS25-130 X 1	7CVP25-130 X 1	10CU25-130 X 1	4CU25-130 X 1
HN8S	2”	100WS25-187 X 1	7CVP25-187 X 1	10CU25-187 X 1	4CU25-187 X 1
HN8L	2”	100WS25-235 X 1	7CVP25-235 X 1	10CU25-235 X 1	4CU25-235 X 1
HN0L	2 1/2”	100WS35-280 X 1	7CVP35-280 X 1	10CU35-280 X 1	4CU35-235 X 1
HN12L	3”	100WS35-280 X 1	7CVP35-280 X 1	10CU35-280 X 1	4CU35-235 X 1

How to Order

How to Order:

Use the steps below to build your own part number. For any permutation not mentioned below, please consult factory at 1-800-343-4048.

H	N	12	L	–	6	C	U	G
Series Name	**Port Type**	**Port (Connection) Size**	**Bowl**		**Element Grade**	**Element Type**	**End Seal**	**Accessory Designator for Pre-installed Accessories**
H	**N**-NPT	**4** - 1” **6** - 1 1/2” **8** - 2” **12** - 3”	**S** - Standard **L** - Long **E** - Economy (short bowl)* *Economy bowl is only available on 2” Connection size. Note: Bowl length is determined by the flow rate required. Refer to the Housing Selection Chart for flow rates.		**4CU** **6 CU** **10 CU** Urethane end seals, standard on 1 1/4” to 3” connection sizes			**G** - DPG Gauge **N** - No Accessories **P** - 1/8” Differential Sensing Ports Note: For maximum pressures and temperatures related to Accessories, please refer to specifications
	S - SAE* *SAE-32 2” connection only	**8** - SAE-32			**7CVP** Only available in 1 1/4” to 3” connections. Fluorocarbon gasket with metal end caps			
					100WSU Urethane end seal, standard on 1/4” to 1” connection sizes			
					100WS Fluorocarbon gasket with metal end caps, standard on 100WS elements 1 1/4” to 3” connections only			

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