

BALDWIN™-SERIES DIRECT EXTRACTIVE FILTER PROBES

General Purpose

Part Number 4P-3 - 

ITEM #	MODEL 31 HEATED FILTER PROBE
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| 4P-31 | <ul style="list-style-type: none">• Portable filter holder assembly• Self regulated heater jacket with type K thermocouple; (225°C)• Insulated aluminum canister, calibration gas port• 1-1/4 male pipe nipple mount, 1/2" female pipe thread for stinger• Maximum inlet temperature 500°C |
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ITEM #	MODEL 32C HEATED FILTER PROBE
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| 4P-32C | <ul style="list-style-type: none">• Sure-Lock™ stack mounted filter holder assembly• Heater band with type K thermocouple, requires external control• Integral calibration gas port with 0.3 psig check valve• NEMA 4 steel enclosure• 1-1/4 male pipe nipple mount, 1/2" female pipe thread for stinger |
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ITEM #	MODEL 33C-R HEATED FILTER PROBE
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| 4P-33C-R | <ul style="list-style-type: none">• Sure-Lock™ stack mounted filter holder assembly• Self regulated heater band with type K thermocouple• Integral calibration gas port with 0.3 psig check valve• NEMA 4 steel enclosure• 1-1/4 male pipe nipple mount, 1/2" female pipe thread for stinger |
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ITEM #	MODEL 34C HEATED FILTER PROBE w/blowback
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| 4P-34C | <ul style="list-style-type: none">• Sure-Lock™ stack mounted filter holder assembly w/ air ballast tank• Heater band with type K thermocouple, requires external control• Single direct blowback; 2-way solenoid blowback valve• Integral calibration gas port with 0.3 psig check valve• NEMA 4 steel enclosure• 1-1/4 male pipe nipple mount, 1/2" female pipe thread for stinger |
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ITEM #	MODEL 34C-R HEATED FILTER PROBE w/blowback
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| 4P-34C-R | <ul style="list-style-type: none">• Sure-Lock™ stack mounted filter holder assembly w/ air ballast tank• Heater band with type K thermocouple, self regulated• Single direct blowback; 2-way solenoid blowback valve• Integral calibration gas port with 0.3 psig check valve• NEMA 4 steel enclosure• 1-1/4 male pipe nipple mount, 1/2" female pipe thread for stinger |
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ITEM #	MODEL 35C HEATED FILTER PROBE w/blowback
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| 4P-35C | <ul style="list-style-type: none">• Sure-Lock™ stack mounted filter holder assembly w/ air ballast tank• Single direct blowback; 2-way solenoid blowback valve• Integral temperature / blowback controller• Integral calibration gas port with 0.3 psig check valve• NEMA 4 steel enclosure• 1-1/4 male pipe nipple mount, 1/2" female pipe thread for stinger |
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ITEM #	MODEL 36C HEATED FILTER PROBE w/blowback
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| 4P-36C | <ul style="list-style-type: none">• Sure-Lock™ stack mounted filter holder assembly w/ air ballast tank• Single direct blowback; 4-way isolated solenoid blowback/calibration valve• Integral temperature / blowback controller• Integral calibration gas port with 0.3 psig check valve• NEMA 4 steel enclosure• 1-1/4 male pipe nipple mount, 1/2" female pipe thread for stinger |
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Hazardous Area Series - Class 1 Division 2 - Z Purge

ITEM #	MODEL 34C HEATED FILTER PROBE
4P-34C-Z	• Heater jacket with type K thermocouple, requires external control • Integral calibration gas port with 0.3 psig check valve • Blowback air ballast tank w/ 2-way blowback solenoid valve • NEMA 4X 306 stainless steel enclosure • 1-1/4 male pipe nipple mount, 1/2" female pipe thread for stinger

ITEM #	MODEL 34C HEATED FILTER PROBE
4P-34C-R-Z	• Self regulated heater jacket with type K thermocouple • Integral calibration gas port with 0.3 psig check valve • Blowback air ballast tank w/ 2-way blowback solenoid valve • NEMA 4X 306 stainless steel enclosure • 1-1/4 male pipe nipple mount, 1/2" female pipe thread for stinger

Hazardous Area Series - Class 1 Division 1

ITEM #	MODEL 33XP HEATED FILTER PROBE
4P-33XP	• Stack mounted filter holder assembly • Self regulated heater jacket with type K thermocouple • Class 1 Division 1 UL classified enclosure • Integral calibration gas port with 0.3 psig check valve • 1-1/4 male pipe nipple mount, 1/2" female pipe thread for stinger • 1/2" conduit entry

ITEM #	MODEL 34XP HEATED FILTER PROBE w/blowback
4P-34XP	• Stack mounted filter holder assembly • Self regulated heater jacket with type K thermocouple • Blowback air ballast tank mounted externally, unheated • 2-way solenoid valve for blowback • Class 1 Division 1 UL classified enclosure • Integral calibration gas port with 0.3 psig check valve • 1-1/4 male pipe nipple mount, 1/2" female pipe thread for stinger • 1/2" conduit entry

ITEM #	PROBE OPTIONS (use options for all models)
<u>Option 01</u>	Voltage (<i>Required option</i>)
1A	115 VAC, 50/60 Hz
2A	230 VAC, 50 Hz
<u>Option 02</u>	Filter element (<i>Required option</i>)
SS	10 micron sintered stainless steel
M2	2 micron, 316L stainless steel screen mesh
5	5 micron sintered stainless steel
20	20 micron sintered stainless steel
C2	2 micron ceramic
C1	0.1 micron glass
C7	0.7 micron glass / TFE coated
T2	2 micron Teflon
<u>Option 03</u>	Coatings
DC	Durineret -PLUS coating, probe body and stinger
TC	Teflon coated filter head
<u>Option 04</u>	NEMA 4X SS (<i>general purpose models only</i>)
4X	Probe enclosure, NEMA 4X, stainless steel
<u>Option 05</u>	Flange
2	2", 150# with gasket & bolts
2A	Gas cooling spool piece: w/2" flanges & 6" spool
2B	Gas cooling spool piece: w/2" flanges & 12" spool
3	3", 150# with gasket & bolts
3A	Gas cooling spool piece: w/3" flanges & 6" spool
3B	Gas cooling spool piece: w/3" flanges & 12" spool
4	4", 150# with gasket & bolts
4A	Gas cooling spool piece: w/4" flanges & 6" spool
4B	Gas cooling spool piece: w/4" flanges & 12" spool
6	6", 150# with gasket & bolts
<u>Option 06</u>	Sample shut-off, 2-way valve (<i>model 34 only</i>)
SV	2-Way solenoid valve, closes sample line during blowback
<u>Option 07</u>	Stinger
41	18", 316L stainless steel, 1/2", schedule 40
42	2-foot, 316L stainless steel, 1/2", schedule 40
43	3-foot, 316L stainless steel, 1/2", schedule 40
44	4-foot, 316L stainless steel, 1/2", schedule 40
45	5-foot, 316L stainless steel, 1/2", schedule 40
81	18", 316L stainless steel, 1/2", schedule 80
82	2-foot, 316L stainless steel, 1/2", schedule 80
83	3-foot, 316L stainless steel, 1/2", schedule 80
84	4-foot, 316L stainless steel, 1/2", schedule 80
85	5-foot, 316L stainless steel, 1/2", schedule 80
H1	18", Hastelloy C276, 1/2", schedule 80
H2	2-foot, Hastelloy C276, 1/2", schedule 80
H3	3-foot, Hastelloy C276, 1/2", schedule 80
H4	4-foot, Hastelloy C276, 1/2", schedule 80
H5	5-foot, Hastelloy C276, 1/2", schedule 80
<u>Option 08</u>	Blowback Solenoid Voltage (Model 4P-34C-R only; line voltage standard)
12	2-Way solenoid, 12 VDC
24	2-Way solenoid, 24VDC

ITEM #	HEATED FILTER PROBE SPARE PARTS
3PCB-001	Circuit board: probe heater control (general purpose models only)
1PCG-002	Connector: heated line entry seal
3FES-015PK	Filter element seals: silicone, used w/ screen mesh 3FES-010 (10 pack)
3FES-010	Filter element: 316L SS screen mesh, 2.0 micron
3FES-002	Filter element: 316L SS, 1.25" x 2.975", 2 micron
3FES-004	Filter element: 316L SS, 1.25" x 2.975", 10 micron
3FES-003	Filter element: 316L SS, 1.25" x 2.975", 20 micron
3FES-005	Filter element: 316L SS, 1.25" x 2.975", 5 micron
3FEC-002	Filter element: Ceramic 2 micron
3FEG-001	Filter element: Glass, 0.1 micron
3FET-002	Filter element: 2 micron Teflon
3FEG-003	Filter element: Glass/TFE Coated, 0.7 micron
3PAM-006PK	Gasket: graphoil 1.25" (10 pack)
4P-FLANGE2	Flange: 2", 150# with gasket & bolts
4P-FLANGE3	Flange: 3", 150# with gasket & bolts
4P-FLANGE4	Flange: 4", 150# with gasket & bolts
4P-FLANGE6	Flange: 6", 150# with gasket & bolts
4P-GCS-206	Gas cooling spool piece: w/ 2" flanges & 6" spool
4P-GCS-306	Gas cooling spool piece: w/ 3" flanges & 6" spool
4P-GCS-406	Gas cooling spool piece: w/ 4" flanges & 6" spool
4P-GCS-212	Gas cooling spool piece: w/ 2" flanges & 12" spool
4P-GCS-312	Gas cooling spool piece: w/ 3" flanges & 12" spool
4P-GCS-412	Gas cooling spool piece: w/ 4" flanges & 12" spool
3PHH-003	Heater jacket, wire-wound w/thermostat/thermal fuse ("R" series only)115/230VAC
2HTR-007	Heater band, 350W
3PHH-005	Heater jacket, wire-wound electronic control, 115VAC only, 100W
3PAM-028PK	O- Ring: Silicone, 50 Durometer (10 pack)
3PAM-010PK	O- Ring: Viton, 50 Durometer (10 pack)
3PAM-031PK	O-Ring: Pack, Viton, "C" series probes only, 5 ea 1 7/8" OD, 2 1/4" OD
Standard stinger includes 1/2" male pipe thread adapter welded to one end, open on sample end	
4P-STG4	18", 316L stainless steel, 1/2", schedule 40
4P-STG4-2	2-foot, 316L stainless steel, 1/2", schedule 40
4P-STG4-3	3-foot, 316L stainless steel, 1/2", schedule 40
4P-STG4-4	4-foot, 316L stainless steel, 1/2", schedule 40
4P-STG4-5	5-foot, 316L stainless steel, 1/2", schedule 40
4P-STG8	18", 316L stainless steel, 1/2", schedule 80
4P-STG8-2	2-foot, 316L stainless steel, 1/2", schedule 80
4P-STG8-3	3-foot, 316L stainless steel, 1/2", schedule 80
4P-STG8-4	4-foot, 316L stainless steel, 1/2", schedule 80
4P-STG8-5	5-foot, 316L stainless steel, 1/2", schedule 80
4P-STGH	18", Hastelloy C276, 1/2", schedule 80
4P-STGH-1	2-foot, Hastelloy C276, 1/2", schedule 80
4P-STGH-2	3-foot, Hastelloy C276, 1/2", schedule 80
4P-STGH-3	4-foot, Hastelloy C276, 1/2", schedule 80
4P-STGH-4	5-foot, Hastelloy C276, 1/2", schedule 80
4P-DURINERT	Optional Durinert coating on stinger
2VRS-005	Valve: check, 10 psig, 1/4" Viton "O" ring
2VS2-007	Valve: solenoid, 2 way, 115VAC/60Hz, 100 psig, hi-temp
2VS2-006	Valve: solenoid, 2 way, 230VAC/50Hz, 100 psig, hi-temp
1TTC-012	Thermocouple, additional type K, 12" lug-style lead wire for readout only