

**Welch®**  
**Laboratory Vacuum Catalog**  
**2005-2006**

**Exhaust Filters & On/Off Foot Switch**  
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# Exhaust Filters & On/Off Foot Switch

## Standard Exhaust Filters & Directional Exhaust Filters

- Filters oil mist from pump exhaust
- Easy replacement of element
- Reduces pump noise
- Filters to 0.3 micron particle size
- Screw-in type



1417

STANDARD EXHAUST FILTERS				
USE WITH PUMP MODEL	DIMENSIONS		CATALOG NUMBER	
	DIAMETER	HEIGHT	FILTER	REPLACEMENT ELEMENT
8890 <sup>1</sup> , 8905, 1399, 1400, 1400N	2.5	2.5	1417	1417L
8907, 8912, 8917	2.5	4.5	1417P-7	1417R
8920, 8925, 1376, 1402, 1405, 1402N, 1376N	5.0	6.25	1417P-10	1417G
1397, 1374	5.0	9.0	1417P-20	1417H-01
8917A-80, 8947C-80	2.5	4.5	1417P-7	1417R

1. GEM® (8890) includes 1417 as standard equipment.



1417A

- Large, high capacity
- 360° Swivel outlet with tubing connector
- Screw-in type
- Continuously separates oil mist from the vacuum pump exhaust and by gravity returns the oil to the pump.

DIRECTIONAL EXHAUST FILTERS						
USE WITH PUMP MODEL	DIMENSIONS			CATALOG NUMBER		
	DIAMETER	HEIGHT	OUTLET TUBE O.D.	FILTER	ELEMENT	GASKET REPLACEMENT
8907, 8912, 8917, 8920, 8925, 1376, 1380, 1402, 1405, 1402N, 1376N	5.0	7.5	1.0	1417A	1417G	1417A-01
1374, 1397	6.5	10.0	2.0	1417B	1417H	1417B-01
1400				1417C-02		

## Exhaust Oil Recycler



Exhaust Mist Eliminator shown installed on pump with oil return line.

Exhaust oil recyclers are recommended for vacuum systems with continuous pressure of 1 Torr (1 mm Hg) or higher.<sup>1</sup> At these pressures, conventional exhaust filters quickly saturate. The Mist Eliminator System continuously separates oil mist from the vacuum pump exhaust and actively returns the oil to the pump.

CAT. NO.	VACUUM PUMP MODEL NO.
1416B	8890 (GEM)
1416H	8905
1416C	8907, 8912, 8917, 8920, 8925
1416H-01	1400, 1400N
1416C-01	1376, 1376N, 1402, 1402N, 1405

1. CAUTION: Two stage vane vacuum pumps such as models 8905, 8907, 8912, 8920, 8917, 8925, 1400, 1402, 1376, 1405, 1400N, 1402N and 1376N should not be operated continuously at pressures above 10 Torr.

## On/Off Foot Switch



1430A



1430B



1430C

- Hands free On/Off pump operations
- No adapters or special connections needed
- Plugs directly into the power source outlet

On/Off foot switches are compatible with selected dry vacuum pump models. Switches handle up to 15 amps. Cat. No. 1430A & 1430B come with a 3-prong U.S. Standard plug with 8 Ft. Cord, CSA, NEMA & UL Enclosure Type 1. Cat. No. 1430C comes with a male and female IEC connections, 8 Ft. Cord, CE and plugs directly into the IEC connection on the pump.

PUMP MODEL	CAT. NO.
2010, 2012, 2022, 2030, 2015, 2017,	1430A (115V/60 Hz only, maintained On/Off)
2021, 2031, 2511, 2515, 2522, 2534,	1430B (115V/60 Hz only, momentary On/Off)
2546, 2561, 2567, 2581, 2585	1430C (90-230V with IEC connections, momentary On/Off)

Dimensions are in inches