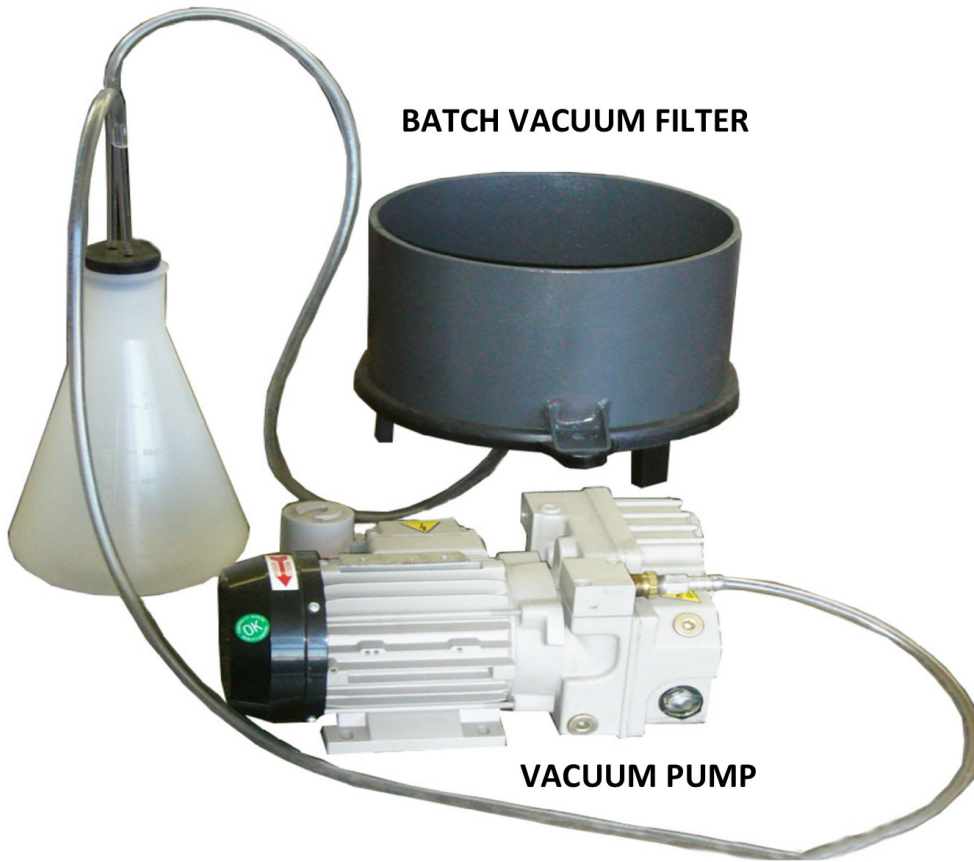# OPERATING MANUAL

Batch Vacuum Filter

FILTRATE CONTAINER

BATCH VACUUM FILTER

VACUUM PUMP

Operating Instructions:

The 10" Vacuum Filters Catalog No. 0700-001 (002) are simple Laboratory devices for filtering small batches.

1. Thoroughly clean debris from base and bottom of cylinder barrel. It is preferable to start with a wetted base.
2. Spread or lay the oversize, wet filter paper evenly over the stainless-steel screen, which rests on the rubberized filter base. Wet the paper with a little clean water.
3. Optionally, the furnished filter cloth may be used in the same manner. If desired, a slot may be scissors cut in the filter cloth to accommodate the vertical clamp rods.
4. Set the cylinder barrel in place making sure everything is properly centered and tighten the hand knobs.
5. Connect filter to filtrate receiver (e.g. a suitable jar or bottle) and the filtrate receiver to a vacuum source. Rubber hose, clamps or piping are not supplied. Vacuum of at least 1 CFM/filter @ 20 In Hg is recommended.
6. Pour the mixture to be filtered and pull the vacuum source.
7. Cut off vacuum. Run spatula blade on cylinder wall to loosen cake. Remove hand knobs and filter barrel to free filter paper with cake.

NOTE: The rubberized parts require special attention to prolong life. The units should be thoroughly flushed with water after use. Ammonia is acceptable at above ambient temperatures. Acid regimes require ambient or lower temperatures. Concentrated sulphuric acid and nitric acid are unacceptable. No gaskets are required.

Mild Steel Vacuum Filter • 070C-001

#	ITEM #	ITEM DESCRIPTION	QTY REQ.
1	070C-T001MS	FILTER CYLINDER	1
2	070C-T002MS	RUBBERIZED MS FILTER DRAINAGE BASE	1
3	105ST048	STEEL CLAMP ROD, 3/8"	2
4	400ST145	SS THRD FITTING,1/4" COUPLING	1
5	400ST558	FITTING 1/4 PIPE 90 ELBOW	1
6	400ST047	STEEL PIPE NIPPLE 1/4" X 6"	1
7	402ST519	TYGON CLEAR TUBING 1/4" X 3/8"	1
8	743ST075	10 MESH SS SCREEN	1

Vacuum Filter Accessories

#	ITEM #	ITEM DESCRIPTION	QTY REQ.
1	070C-003	12" DIA. FILTER CLOTH	1
2	070C-004	12" DIA. FILTER PAPER 100 PACK	1
3	070C-006	2000cc FILTRATE TRAP	1

Stainless Steel Vacuum Filter • 070C-007

#	ITEM #	ITEM DESCRIPTION	QTY REQ.
1	070C-T001SS	FILTER CYLINDER	1
2	070C-T002MS	RUBBERIZED MS FILTER DRAINAGE BASE	1
3	105ST048	STEEL CLAMP ROD, 3/8"	2
4	400ST145	SS THRD FITTING,1/4" COUPLING	1
5	400ST566	SS PIPE ELBOW, 1/4, 90	1
6	400ST045	SS THRD PIPE NIPPLE 1/4 X 6	1
7	402ST519	TYGON CLEAR TUBING 1/4" X 3/8"	1
8	743ST075	10 MESH SS SCREEN	1

Rubberized Cylinder Vacuum Filter • 070C-002

#	ITEM #	ITEM DESCRIPTION	QTY REQ.
1	070C-T001MS	RUBBERIZED FILTER CYLINDER	1
2	070C-T002MS	RUBBERIZED MS FILTER DRAINAGE BASE	1
3	105ST048	STEEL CLAMP ROD, 3/8"	2
4	400ST145	SS THRD FITTING,1/4" COUPLING	1
5	400ST566	SS PIPE ELBOW, 1/4, 90	1
6	400ST045	SS THRD PIPE NIPPLE 1/4 X 6	1
7	402ST519	TYGON CLEAR TUBING 1/4" X 3/8"	1
8	743ST075	10 MESH SS SCREEN	1