



8042601
133 CFM POINT OF ATTACHMENT PANEL

WARNING: Do not attempt to operate this equipment without first reading and understanding the manual enclosed with this device. Suitability for use of this device lies solely with user.

SPECIFICATIONS
8042601
133 CFM POINT OF ATTACHMENT

INLET PRESSURE (MAX.)	125 PSIG STATIC (8.7 bar)
RATED AIR FLOW (MAX.)	133 SCFM (62.8 L/s)*
OPERATING PRESSURE	100 PSIG DYNAMIC (6.9bar)
OUTLET PRESSURE RANGE	0-125 PSIG (0-8.6 bar)
OUTSIDE DIMENSIONS	16"L x 16"W x 5.75"D (406mm x 406mm x 146mm)
WEIGHT	11 LBS. (5.0 kg.)
REPLACEMENT FILTER ELEMENT	80066

*** BASED ON A DYNAMIC PRESSURE OF 100 PSIG**

GENERAL DESCRIPTION

(Ref. to Figure No. 1)

As air enters the MST Moisture Removal Distribution Panel at (A), the filter stage at (B) will remove liquid contaminants with a Coalescing Efficiency rating of 95% (DOP .3 to .6 micron). The liquid contaminants are then trapped in the lower chamber of the Filter Bowl and expelled out through the Automatic Float Drain at (C). The air then enters the Regulator (D), which is used to adjust the air pressure going to the respirator(s). The respirator/breathing air hose will be connected to the Quick-Disconnects (E) located on Manifold (F). To insure that NIOSH's maximum air pressure (125 psig) to respirator is not exceeded, a 125 psig Safety Relief Valve is installed at (G).

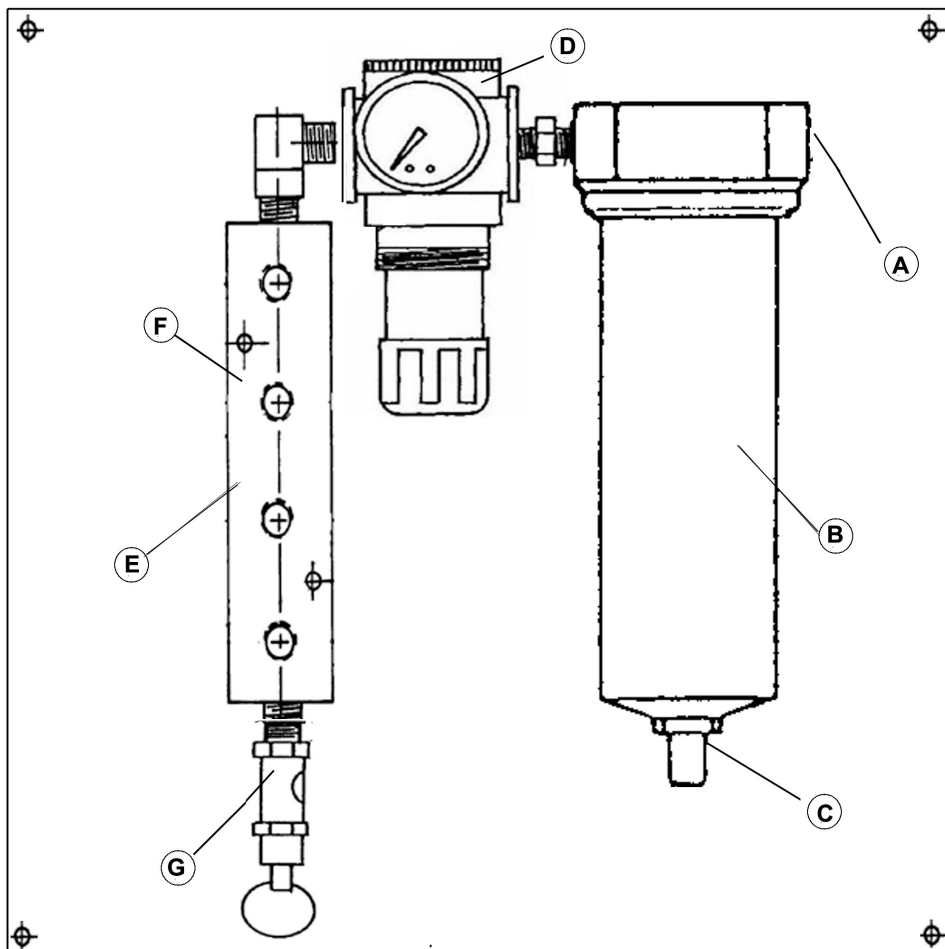


Figure No. 1

GENERAL OPERATIONS

WARNING: The MST Panel should not:

- 1) be used when the air entering MST's Unit is oxygen deficient. MST's Unit will not increase the oxygen content of the oxygen deficient air.**
- 2) be used in an "Immediately Dangerous to Life and Health" atmosphere, (IDLH), unless it is used in conjunction with a back-up escape system or a supplied air self-contained breathing apparatus, (SCBA), where applicable.**

MST, Inc. strongly recommends that a complete safety program be instated to ensure that the respiratory air is in compliance with all OSHA/CSA standards and other applicable laws regulating the use of supplied air respiratory systems. MST, Inc. recommends that the air quality be tested upon installation and periodically re-tested to ensure that the minimum requirements for breathing air are maintained.

MST, Inc. will not assume any liability for accidents or personal injury resulting from the improper use of this equipment. Service on this equipment should only be performed by qualified personnel. This system is to be used only by trained qualified personnel in accordance with a respiratory program as outlined in OSHA Regulation 29 CFR 1910.134(b), in Canada, CSA standard Z180.1

GENERAL INSTALLATION DIMENSIONS

(Refer to Figure No. 2)

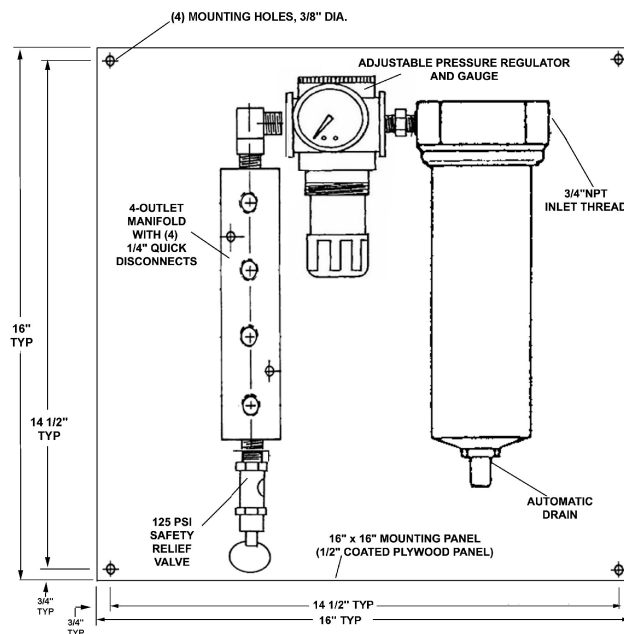


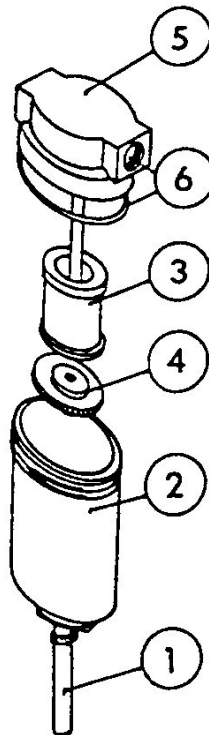
Figure No. 2

OPTIONAL PRE-FILTER **SERVICE INSTRUCTIONS**

**WARNING: Always turn off air supply and bleed air pressure before disassembling unit or
SERIOUS INJURY COULD RESULT.**

1. **OPTIONAL PREFILTER ELEMENT REPLACEMENT**

- A) Unscrew Prefilter bowl Assembly 2 and clean in mild soap and water and blow dry with low pressure air.
- B) Remove Element 3 by unscrewing End Cap Retaining Nut 4.
- C) Inspect the Prefilter Manifold 5 for dirt/contaminates and clean as required. Inspect "O"-Ring 6 for cuts, etc. and replace if required.
- D) Install new Element and tighten End Cap Retaining Nut. Be sure Element is seated squarely on Manifold boss and End Cap.
- E) Apply light film of petroleum jell on Bowl's beveled edge to provide good seal between Bowl and "O"-Ring. HAND TIGHTEN ONLY.
- F) Dispose of used Element according to local, state and federal regulations.



MST, INC.
SERVICE RECORD
RESPIRATORY PROTECTOR®
MODEL 8042601

DATE OF SERVICE	SERVICE PERFORMED

MODEL 8042601 **133 CFM POINT OF ATTACHMENT SYSTEM PARTS**

- | | | | |
|-----|---------------------------------------|-----|--|
| 1. | 8010401, (1), Prefilter | 11. | 80076, (1), 0-160 PSI Gauge |
| 2. | 80218, (1), Auto Drain | 12. | S608-008, (1), 1/2" Hex Nipple |
| 3. | No Part No. | 13. | S623-004, (2), 1/2"-90° St.Elbow |
| 4. | 80318, (1), Filter Bracket | 14. | 80018, (2), 1/4-20 x 1 3/4" BHCS |
| 5. | 80115, (1), Fender Washer | 15. | 80054, (1), Four Outlet Manifold |
| 6. | S412-009, (1), 1/4" Internal Washer | 16. | 80022, (4), 1/4" II x 3/8" MPT QD |
| 7. | S037-054, (2), 1/4-20 x 1/2" BHCS | 17. | S638-008, (1), 1/2" x 1/4" Hex Bush |
| 8. | S037-055, (1), 1/4-20 x 5/8" BHCS | 18. | 80300, (1), 125 PSIG PRV |
| 9. | S608-007, (1), 3/4" x 1/2" Red Nipple | 19. | 80426, (1), 1/2" thk x 16" x 16" Board |
| 10. | 80075, (1), Regulator | | |

