

**" Save
Your
Breath
With **NST**®
MODERN SAFETY TECHNIQUES "**

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**MODEL 8021105
POINT-OF-ATTACHMENT SYSTEM
OPERATING MANUAL**



**MODEL 8021105
GENERAL SPECIFICATIONS**

AIR FLOW RATING:	50 SCFM (23.6 l/s) - MAX.
INLET PRESSURE:	150 PSIG STATIC (10.3 bar)- MAX.
OPERATING PRESSURE (OUTLET):	0-150 PSIG (0-10.3 bar)
OPERATION TEMPERATURE:	150 °F (65 °C)-MAX.
INLET SIZE:	3/8" NPT-F THREAD
INLET PIPE/HOSE SIZE:	½" (13mm) MIN.-DEPENDING ON LENGTH
OUTLET FITTINGS SUPPLIED,	
STANDARD:	(4) QUICK-DISCONNECT, 1/4" II X 3/8" MPT
OPTIONAL:	(4) QUICK-DISCONNECT, 1/4" SCHRADER X 3/8" MPT (MST P.N. 80166)
SIZE:	10 3/4" W X 9 3/4" H X 7"D (273mm X 248mm X 178mm)
WEIGHT (WITH STANDARD FITTINGS):	7 LBS (3.2 kg)

8021105
POINT OF ATTACHMENT SYSTEM

ADJUSTABLE PRESSURE
REGULATOR AND
INDICATING GAUGE.
PUSHING DOWN ON
REGULATOR KNOB
LOCKS IT INTO POSITION

RUGGED PLASTIC
CARRYING CASE
OFFERS PROTECTION
TO SENSITIVE INTERNAL
COMPONENTS- UNIT
CAN BE OPERATED IN
ANY POSITION

QUICK-DISCONNECT
OUTLET FOR
CONNECTION UP TO
(4) SUPPLIED AIR
RESPIRATORS

3/8" NPT-F
INLET CONNECTION



WARNING
DO NOT ATTEMPT TO OPERATE THIS EQUIPMENT WITHOUT
FIRST READING AND UNDERSTANDING THE OPERATING
INSTRUCTIONS.
THIS DEVICE WILL NOT REMOVE CARBON MONOXIDE AND
WILL INCREASE THE OXYGEN CONTENT OF THE AIR ENTER-
ING THE FILTER SYSTEM.
THE USER OF THIS DEVICE IS SOLELY RESPONSIBLE FOR
DETERMINING ITS SUITABILITY FOR USE IN PARTICULAR
APPLICATIONS.
THIS DEVICE SHOULD ONLY BE ADJUSTED OR REPAIRED BY
QUALIFIED PERSONNEL. FAILURE TO COMPLY COULD RESULT
IN PERSONAL INJURY OR DEATH.

MODEL 8021105 POINT-OF-ATTACHMENT (POA) SYSTEM

MST's Model 8021105 Point of Attachment ("POA") System is an air distribution system that allows up to four (4) supplied air respirator users to utilize a single Grade D air source from a remote location.

WARNING: This device will not filter or purify the air nor will it increase the oxygen content of the air entering the system. This device **MUST BE supplied with a Grade D air source capable of delivering the required respirator air pressure to be in compliance with NIOSH and OSHA requirements. Users of this device are solely responsible for determining the suitability of use of this device in their particular applications.**

SETUP AND GENERAL OPERATION

This device is designed to take a single Grade D air source and regulate and distribute the air to the workers (up to four - depending on the type of respirators used) for various applications requiring supplied air respirators. Note: This device is limited to the air flow designated in the "Specification" section of this manual - To avoid potential problems or unsafe conditions, **Do Not** attempt to achieve a higher air flow than is specified.

- 1: Connect a suitable Grade D air source to the inlet porting block of the system. Use of thread sealing tape is highly recommended to provide a good seal, while avoiding thread damage to the inlet porting block.
- 2: Connect supplied air respirator system(s) to outlet connections, making sure the various respirator systems all require the same range of pressure adjustment for NIOSH approval (see NIOSH Approval Certificate in respirator manual).
- 3: Pressurize system (150 PSIG - 10.3 bar - Max.) and adjust outlet pressure regulator so gauge reads the proper pressure adjustment required by the NIOSH Approval Certificate. Should you not be able to achieve the required pressure, check to verify that the inlet supply pressure is sufficient, and the supply hose is of adequate size, to supply the CFM needed. It may be necessary to remove one or more of the respirators to achieve the pressures necessary to properly and safely utilize the system.

MST, INC. SHALL NOT BE LIABLE FOR ANY INJURY, LOSS, OR DAMAGE, DIRECT OR CONSEQUENTIAL, ARISING OUT OF THE USE OF OR THE INABILITY TO USE THIS PRODUCT, BEYOND THE REPLACEMENT OF DEFECTIVE MATERIALS OR WORKMANSHIP. USERS OF SUPPLIED AIR RESPIRATORS SHOULD EVALUATE THEIR OWN PARTICULAR APPLICATION AND PERFORM THEIR OWN TESTS FOR AIR QUALITY AN/OR QUANTITY TO DETERMINE THE SUITABILITY FOR USE OF THIS PRODUCT.

For further information or questions about service or maintenance care of this device, contact you local distributor, or MST, Inc. at (800) 542-6646.