

# Single Tube Reservoir Access Manifold Datasheet

## ST RAM

Mounts to hydraulic reservoirs and gearboxes 1/4" to 1-1/2".

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### Features

- Threaded Air Breather Replacements
- 3 FUNCTIONS IN 1
- Breather, Suction, Overflow

**Air Breather** | The ST RAM has a female pipe thread breather port located in the back of the body. The breather port sizes are 3/8", 3/4" and 1" respectively for the three RAM body sizes. The breather port air area may be reduced due to larger tubes.

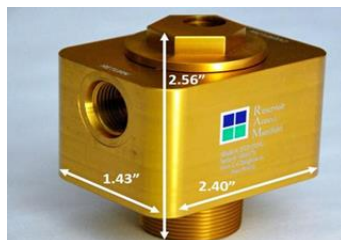
**Suction** | The suction tube (not supplied) can be inserted through the top or bottom of the cartridge. This depends on the tube being bent or straight. A straight suction tube can be expelled if the reservoir has excessive pressure. The tube can be any length allowing the suction tube to reach the bottom of the reservoir for maximum efficiency.

**Overflow** | The overflow port allows access to the reservoir air space. In an overflow situation the air space is filled with fluid and can over pressurize the reservoir. When the overflow port is connected to another tote, drum or reservoir the fluid has an escape route located preventing over pressurization. The overflow or the return port can be used and is in the body.

### Specifications

Body/cartridge material	Anodized aluminum 6061
O-rings	NBR
Down tubes	Carbon steel/customer specific

### Dimensions



1/4", 3/8"



1/2", 3/4"



1", 1-1/4", 1-1/2"

## Ports and Tube Sizes

Attachment NPT US	SAE O-ring body thread	Breather NPT	Suction tube OD
1/4"	9/16-18	3/8"	.31"
3/8"	9/16-18	3/8"	.37"
1/2"	3/4-16	3/4"	.50"
3/4"	3/4-16	3/4"	.62"
1"	1-1/16-12	1"	.87"
1-1/4"	1-1/16-12	1"	.1"
1-1/2"	1-1/16-12	1"	1.25"

## Schematics

