

Regulator

Yutaka Engineering Corporation
Nagano Keiki Seisakusho, Ltd.
Nippon Sanso Corporation

Filter

Toshiba Ceramics Co., Ltd.
Millipore (Nihon Millipore Ltd.)
Pall (Nihon Pall Ltd.)
Pureron (Pureron Japan Co., Ltd.)
Nippon Seisen Co., Ltd.

Pressure Transducer

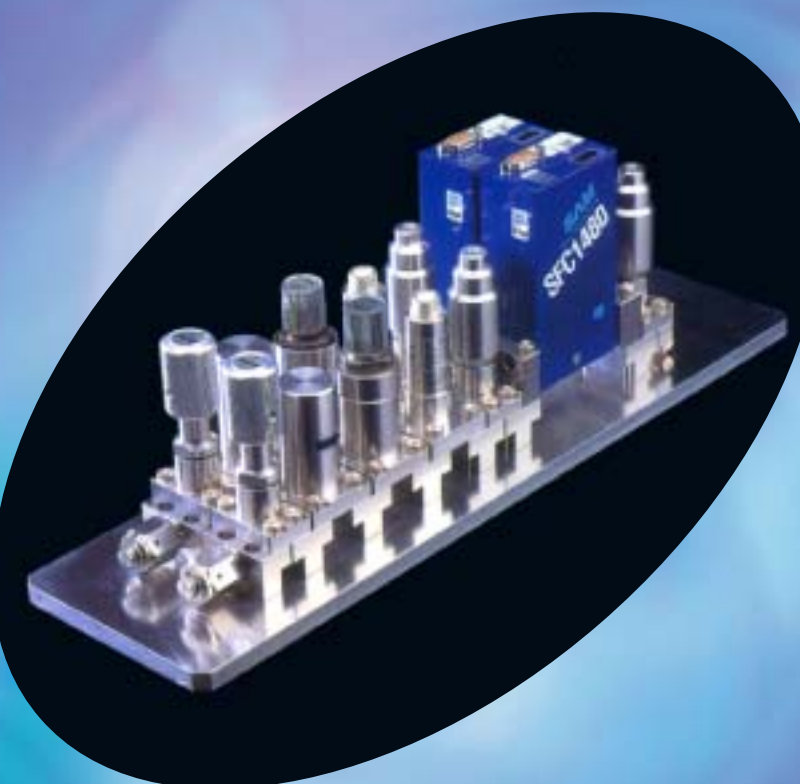
MKS (MKS Japan Inc.)
Nagano Keiki Seisakusho, Ltd.
TEM-TECH LAB.
Pureron (Pureron Japan Co., Ltd.)

Purifier

Millipore (Nihon Millipore Ltd.)
Pall (Nihon Pall Ltd.)
Pureron (Pureron Japan Co., Ltd.)
Nippon Sanso Corporation

SAM
Speedy Accuracy Maintainability

Modular Gas System



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*Our address and your contact indicated in this catalog are those as of September 2004.

 Hitachi Metals, Ltd.

Modular Gas System

1. Compact size and minimized dead space

- Compact MFC (Mass Flow Controller)
- Compact MDV (Metal Diaphragm Valve)
- Compact valve handle integrated MFC and MDV

2. Minimized maintenance time and cost, High reliability

- All parts accessible from top.
- C-ring seal with retainers (Only one type of C-ring used)
- Positioning mechanism of surface mounts and base blocks
- Screw slip-off prevention mechanism
- Reusable screws
- No special tools
- Reduced maintenance time by more than 50%

3. Light weight

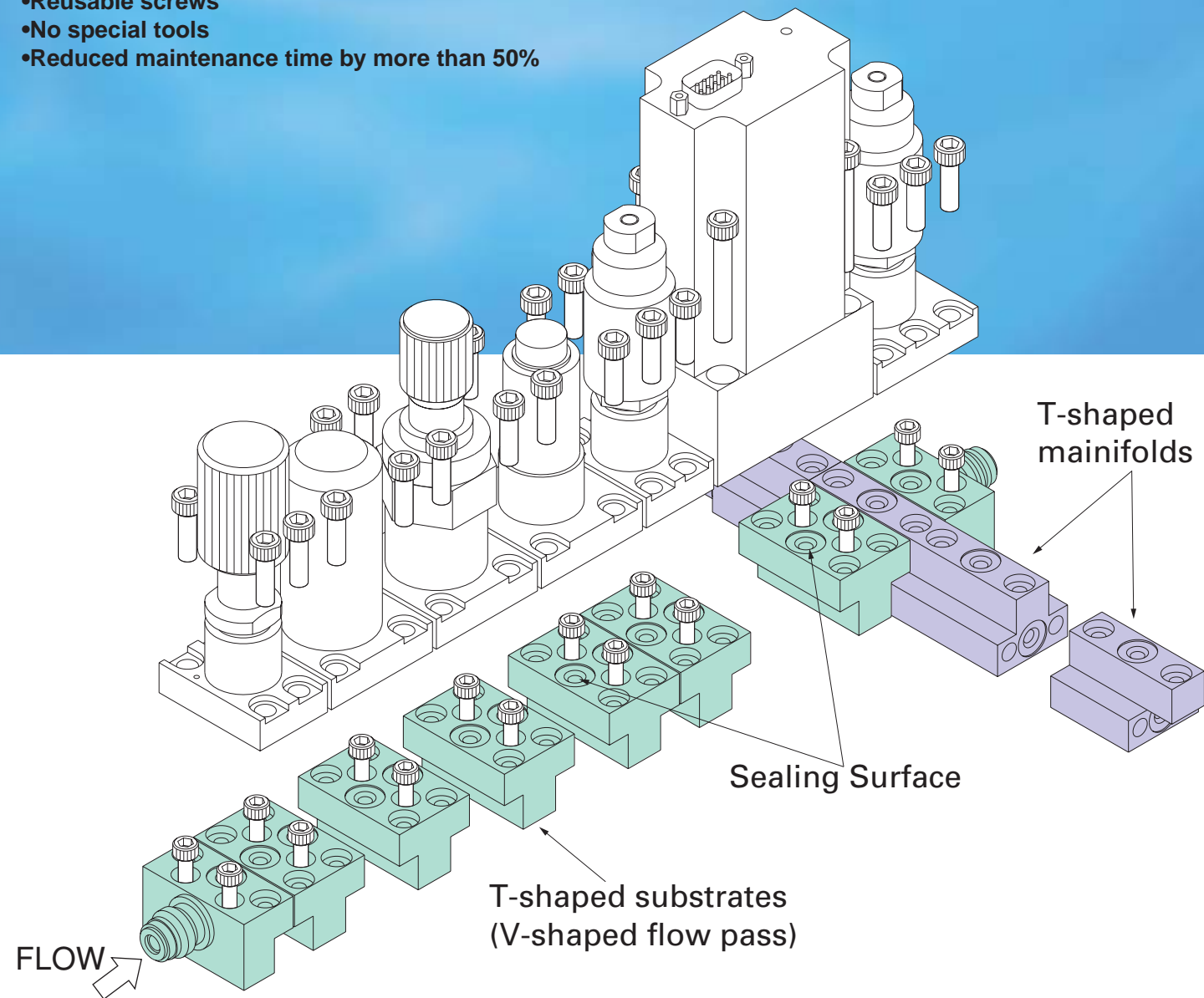
- Original T-shaped base blocks
- Comparable weight to conventional welded system

4. Contamination-free design

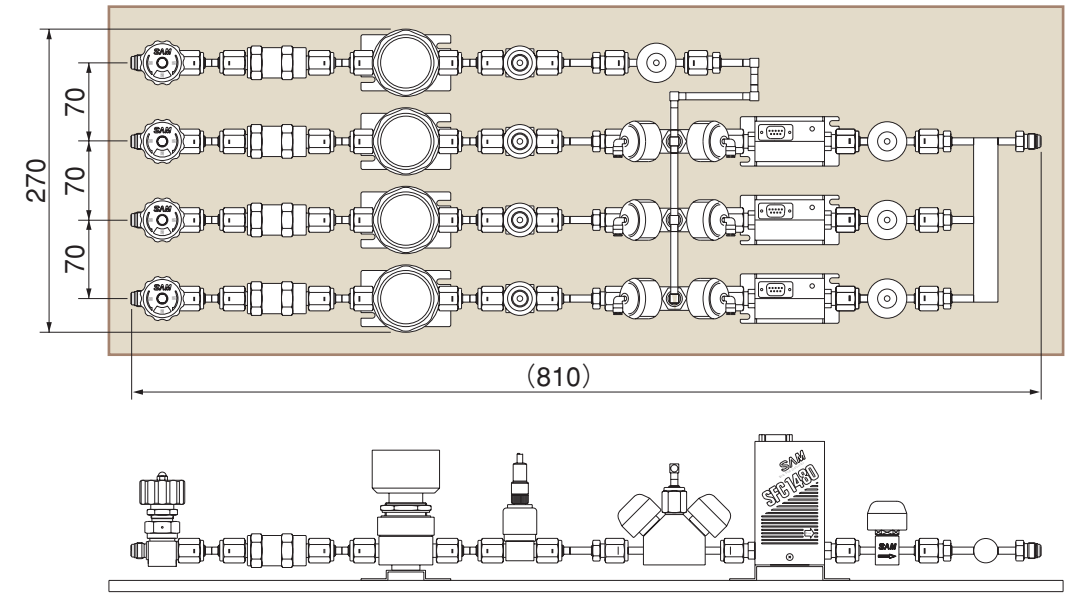
- Base blocks with no welds
- Entirely elimination of welds with combination of substrates and manifolds

5. Standardization

- Standardized base blocks (substrates and manifolds)
- 4 basic models of base blocks (I.D. 3.5mm flow pass with minimized pressure drop)



Conventional system



Approx. 1/4 of footprint

Comparison with conventional system

Modular system

