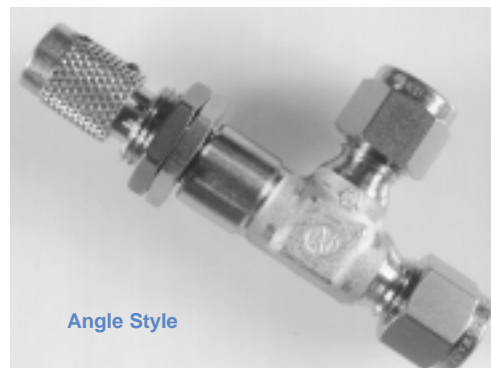


# D56 Fine Metering Valves

## Fine Metering Valves

Nupro fine metering valves are designed to precisely control gas and liquid flow rates in laboratory instruments. They can be used at pressures up to 1000 psi as well as in vacuum systems. All valves are available in two styles, i.e., straight pattern and angle pattern. The 'S' Series Valves provide for the lowest flow range control (see table below). The 'M' Series is utilized for slightly larger flows. The valves can be mounted on a panel using enclosed locknut. Valves available in stainless steel or brass.



## Specifications

| Type                          | 'S' Series    | 'S' Series    | 'M' Series    | 'M' Series    |
|-------------------------------|---------------|---------------|---------------|---------------|
| Body Material                 | S/Steel       | Brass         | S/Steel       | Brass         |
| Temp. Limit                   | -23° to 204°C | -23° to 149°C | -23° to 204°C | -23° to 149°C |
| Pressure Limit at 21°C        | 2000 psi      | 2000 psi      | 1000 psi      | 1000 psi      |
| Number of turns to close      | 8-12          | 8-12          | 8-10          | 8-10          |
| Air Flow Range at 10 psi drop | 0-7 cc/min    | 0-7 cc/min    | 0-300 cc/min  | 0-300 cc/min  |
| Air Flow Range at 50 psi drop | 0-17 cc/min   | 0-17 cc/min   | 0-600 cc/min  | 0-600 cc/min  |

| *Part No. | Series | Pattern both ends | Fittings Price | *Brass (B-) Price | *S/Steel (S-) Price |
|-----------|--------|-------------------|----------------|-------------------|---------------------|
| -SS1A     | 'S'    | Angle             | 1/16" Swagelok | B-SS1A            | S-SS1A              |
| -SS1      | 'S'    | Straight          | 1/16" Swagelok | -NA-              | S-SS1               |
| -SS2A     | 'S'    | Angle             | 1/8" Swagelok  | B-SS2A            | S-SS2A              |
| -SS2      | 'S'    | Straight          | 1/8" Swagelok  | B-SS2             | S-SS2               |
| -SS4A     | 'S'    | Angle             | 1/4" Swagelok  | B-SS4A            | S-SS4A              |
| -SS4      | 'S'    | Straight          | 1/4" Swagelok  | B-SS4             | S-SS4               |
| -2MA      | 'M'    | Angle             | 1/8" Swagelok  | B-2MA             | S-2MA               |
| -2MG      | 'M'    | Straight          | 1/8" Swagelok  | B-2MG             | S-2MG               |
| -4MA      | 'M'    | Angle             | 1/4" Swagelok  | B-4MA             | S-4MA               |
| -4MG      | 'M'    | Straight          | 1/4" Swagelok  | B-4MG             | S-4MG               |
| -2MA2     | 'M'    | Angle             | 1/8" NPT       | B-2MA2            | S-2MA2              |
| -2MG2     | 'M'    | Straight          | 1/8" NPT       | B-2MG2            | S-2MG2              |

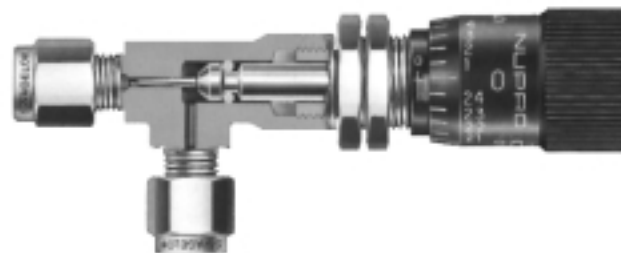
\* For Brass add prefix B to Part No.

\* For S/Steel add prefix S to Part No.

## Vernier Handles

(for above Nupro Metering Valves)

Nylon vernier handles are available for fitting to the Nupro metering valves listed above. The calibrated handle can be set to zero with the valve closed. As the valve is opened the number of turns and the axial position of the stem can be determined. This provides an accurate method of resetting flow rates.



| Part No. | Description                   | Price |
|----------|-------------------------------|-------|
| NY2MK6   | Vernier handle for 'M' series |       |
| NY1SK6   | Vernier handle for 'S' series |       |