

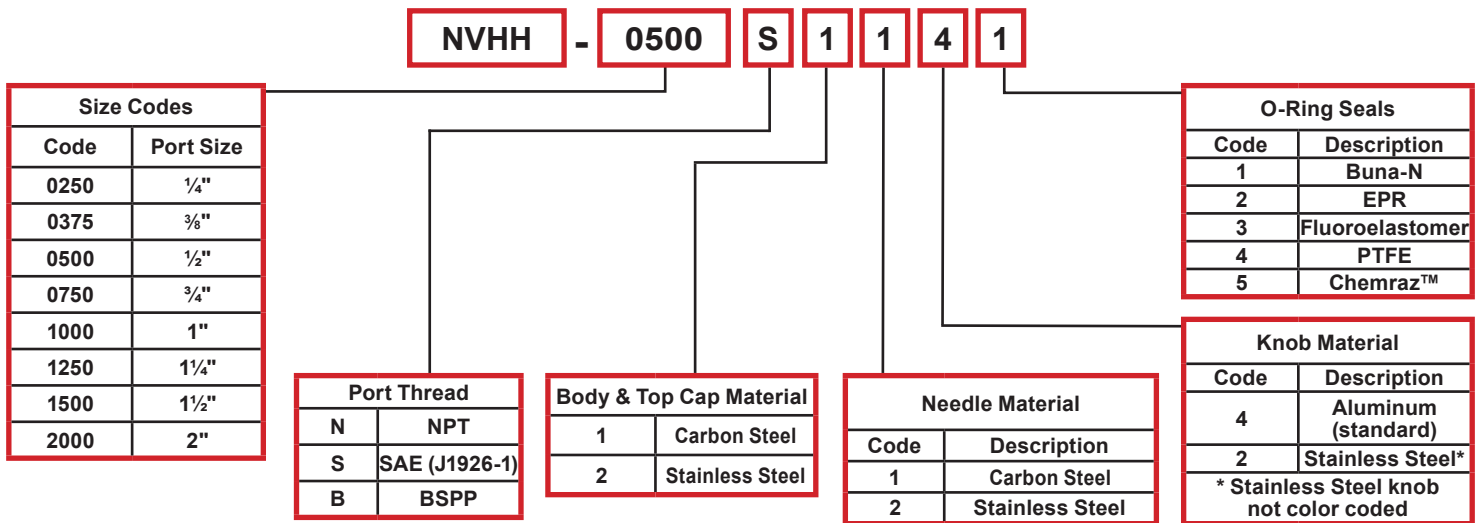
# NVHH Needle Valves

**Carbon/Stainless Steel Bidirectional flow ~ 1/4" to 2+" for working pressures up to 10,000 PSI**



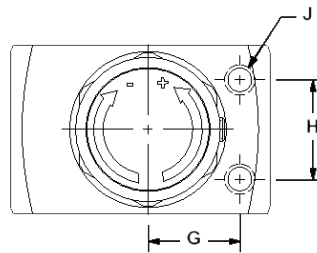
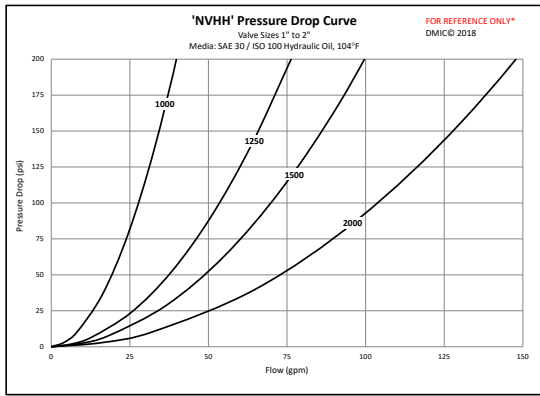
Flow-regulating, steel or stainless steel body needle valves provide metered flow in both directions.

- Choice of carbon steel or stainless steel for body and trim.
- Choice of O-ring materials for fluid compatibility
- Port sizes from 1/4" to 2".
- Choice of threaded connection types.
- Standard panel mounting holes.
- Graduated scale on shaft for visual setup validation.
- Set screw to secure knob for tamper prevention.
- Suitable for use with hydraulic oil.

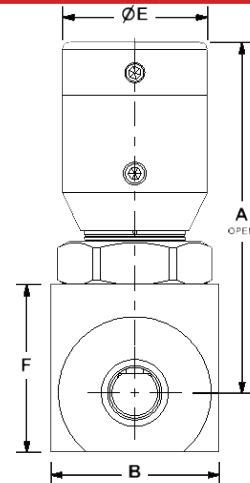
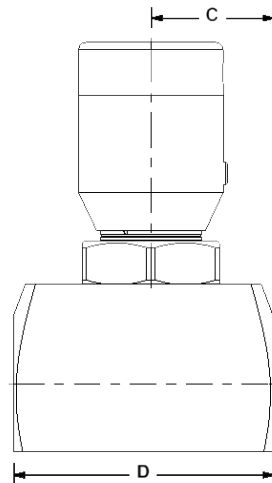
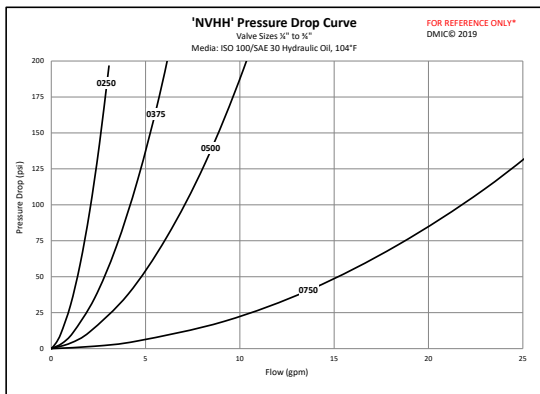


# NVHH Needle Valves

| NVHH       | Nominal Size | Performance Data |                       |                          | Dimensions (inches) |      |      |      |      |      |      |      |             |
|------------|--------------|------------------|-----------------------|--------------------------|---------------------|------|------|------|------|------|------|------|-------------|
|            |              | Flow GPM         | Full Open             |                          | A                   | B    | C    | D    | E    | F    | G    | H    | J (UNF UNC) |
|            |              |                  | Orifice Area (sq.in.) | Effective C <sub>v</sub> |                     |      |      |      |      |      |      |      |             |
| NVHH-0250N | ¼"           | 1.20 GPM         | 0.012                 | 0.280                    | 3.19                | 1.38 | 1.00 | 2.13 | 1.18 | 1.38 | 0.75 | 0.81 | ¼           |
| NVHH-0250B |              |                  |                       |                          |                     |      |      |      |      |      |      |      |             |
| NVHH-0250S |              |                  |                       |                          |                     |      |      |      |      |      |      |      |             |
| NVHH-0375N | ⅜"           | 2.50 GPM         | 0.028                 | 0.630                    | 3.25                | 1.50 | 1.29 | 2.44 | 1.63 | 1.50 | 0.88 | 0.88 | ¼           |
| NVHH-0375B |              |                  |                       |                          |                     |      |      |      |      |      |      |      |             |
| NVHH-0375S |              |                  |                       |                          |                     |      |      |      |      |      |      |      |             |
| NVHH-0500N | ½"           | 4.50 GPM         | 0.049                 | 1.120                    | 3.25                | 1.75 | 1.41 | 2.69 | 1.63 | 1.75 | 1.00 | 0.88 | ¼           |
| NVHH-0500B |              |                  |                       |                          |                     |      |      |      |      |      |      |      |             |
| NVHH-0500S |              |                  |                       |                          |                     |      |      |      |      |      |      |      |             |
| NVHH-0750N | ¾"           | 10 GPM           | 0.110                 | 2.520                    | 4.02                | 2.00 | 1.81 | 3.50 | 1.63 | 2.25 | 1.00 | 1.25 | ¼           |
| NVHH-0750B |              |                  |                       |                          |                     |      |      |      |      |      |      |      |             |
| NVHH-0750S |              |                  |                       |                          |                     |      |      |      |      |      |      |      |             |
| NVHH-1000N | 1"           | 18 GPM           | 0.196                 | 4.481                    | 4.18                | 2.50 | 2.03 | 4.00 | 1.63 | 2.50 | 1.25 | 1.25 | ⅜           |
| NVHH-1000B |              |                  |                       |                          |                     |      |      |      |      |      |      |      |             |
| NVHH-1000S |              |                  |                       |                          |                     |      |      |      |      |      |      |      |             |
| NVHH-1250N | 1¼"          | 28 GPM           | 0.307                 | 7.001                    | 4.83                | 2.75 | 2.50 | 4.50 | 1.63 | 3.25 | 1.50 | 1.50 | ⅜           |
| NVHH-1250B |              |                  |                       |                          |                     |      |      |      |      |      |      |      |             |
| NVHH-1250S |              |                  |                       |                          |                     |      |      |      |      |      |      |      |             |
| NVHH-1500N | 1½"          | 40 GPM           | 0.442                 | 10.082                   | 6.83                | 3.50 | 2.75 | 5.25 | 3.00 | 4.00 | 2.00 | 2.00 | ½           |
| NVHH-1500B |              |                  |                       |                          |                     |      |      |      |      |      |      |      |             |
| NVHH-1500S |              |                  |                       |                          |                     |      |      |      |      |      |      |      |             |
| NVHH-2000N | 2"           | 70 GPM           | 0.785                 | 17.92                    | 7.58                | 4.00 | 3.25 | 5.69 | 3.00 | 4.75 | 2.25 | 2.00 | ½           |
| NVHH-2000B |              |                  |                       |                          |                     |      |      |      |      |      |      |      |             |
| NVHH-2000S |              |                  |                       |                          |                     |      |      |      |      |      |      |      |             |



| NVHH Size | Nominal Size | Material        | MAWP (PSI) |
|-----------|--------------|-----------------|------------|
| 0250      | ¼"           | Carbon Steel    | 10,000     |
|           |              | Stainless Steel | 6,000      |
| 0375      | ⅜"           | Carbon Steel    | 10,000     |
|           |              | Stainless Steel | 6,000      |
| 0500      | ½"           | Carbon Steel    | 10,000     |
|           |              | Stainless Steel | 6,000      |
| 0750      | ¾"           | Carbon Steel    | 10,000     |
|           |              | Stainless Steel | 6,000      |
| 1000      | 1"           | Carbon Steel    | 10,000     |
|           |              | Stainless Steel | 6,000      |
| 1250      | 1¼"          | Carbon Steel    | 10,000     |
|           |              | Stainless Steel | 6,000      |
| 1500      | 1½"          | Carbon Steel    | 10,000     |
|           |              | Stainless Steel | 6,000      |
| 2000      | 2"           | Carbon Steel    | 10,000     |
|           |              | Stainless Steel | 6,000      |



*This valve series is factory sealed and disassembly will destroy the valve and void the warranty. Due to our policy of continual product improvement, the specifications in this catalog may change without notice. When designing by spec, please request a certified print.*

