

Kerotest Needle and Gauge Valves

110 Gauge Shutoff Valve

Features

- Rugged Forged Body
- Accurate Flow Control
- Low Operating Torque
- 10,000 PSI
- Threaded Pipe Ends per ANSI B1.20.1



| DESCRIPTION | 110N | | 110*** |
|--|---------------------|---------------------|------------------------------------|
| | Carbon Steel | | Stainless Steel (Sour Gas Service) |
| Seat Ring | Integral | | Integral |
| Body | ASTM-A105* | ASTM-A108 Gr. 1213* | ASTM-A182 Type F316 |
| Stem | ASTM-A582 Type 416 | | 17-4 PH Stainless Steel |
| Packing Nut | ASTM-A108 Gr. 1213* | | ASTM-A276 Type 304 |
| Gland | 316 Stainless Steel | | 316 Stainless Steel |
| Packing Washer | AISI-C1010* | | ASTM-A276 Type 304 |
| Packing | Teflon (500 ° F) | | Teflon (500 ° F) |
| Handle | Carbon Steel ** | | Carbon Steel |
| Handle Nut | Plated Steel | | Plated Steel |
| * Zinc Plated | | | |
| ** Yellow Zinc Plated | | | |
| *** Complies with NACE Spec. MR-01-75 for sour gas and suitable for Arctic service | | | |

Specifications:

| In-line | 110N Needle |
|-----------------------|----------------------|
| Size: Male X Female | 1/2 " NPT |
| Max. Working Pressure | 10,000 PSI @ 100 ° F |
| Max Temperature | 500 ° F |
| Weight | 2.5 lbs |
| C/L to Top (Open) | 4 – 5/32 " |
| End-to-End | 4 " |

Ordering Code:

| Gauge Valves | 110N Needle 10,000 PSI |
|------------------------------|---------------------------|
| Carbon Steel (A105) | N-110N-35-004 |
| Carbon Steel (A108) | P -110N-35-004 |
| 316 Stainless Steel (NACE) | T -110N-35-004-A03 |
| Carbon Steel (NACE) | N-110N-35-004-A06 |



Kerotest Manufacturing Corp.

5500 Second Avenue
Pittsburgh, PA 15207

Phone: 412-521-7688 Fax: 412-521-5990

Kerotest Needle and Gauge Valves

200 Gauge Shutoff Valve

Features

- Rugged Forged Body
- Accurate Flow Control
- Low Operating Torque
- 10,000 PSI
- Threaded Pipe Ends per ANSI B1.20.1



| DESCRIPTION | 200N | | 200*** |
|--|---------------------|---------------------|------------------------------------|
| | Carbon Steel | | Stainless Steel (Sour Gas Service) |
| Seat Ring | Integral | | Integral |
| Body | ASTM-A105* | ASTM-A108 Gr. 1213* | ASTM-A182 Type F316 |
| Stem | ASTM-A582 Type 416 | | 17-4 PH Stainless Steel |
| Packing Nut | ASTM-A108 Gr. 1213* | | ASTM-A276 Type 304 |
| Gland | 316 Stainless Steel | | 316 Stainless Steel |
| Packing Washer | AISI-C1010* | | ASTM-A276 Type 304 |
| Packing | Teflon (500 ° F) | | Teflon (500 ° F) |
| Handle | Carbon Steel ** | | Carbon Steel |
| Handle Nut | Plated Steel | | Plated Steel |
| * Zinc Plated | | | |
| ** Yellow Zinc Plated | | | |
| *** Complies with NACE Spec. MR-01-75 for sour gas and suitable for Arctic service | | | |

Specifications:

Ordering Code:

| In-line | 200N Needle | Gauge Valves | 200N Needle 10,000 PSI |
|-----------------------|---------------------------|------------------------------|---------------------------|
| Size: Male X Female | 1/2 " NPT | Carbon Steel (A105) | N-200N-35-004 |
| Max. Working Pressure | 10,000 PSI @ 100 ° F | Carbon Steel (A108) | P -200N-35-004 |
| Max Temperature | 500 ° F | 316 Stainless Steel (NACE) | T -200N-35-004-A03 |
| Weight | 1.5 lbs | Carbon Steel (NACE) | N-200N-35-004-A06 |
| C/L to Top (Open) | 3 – 1/32 " | | |
| C/L to Inlet / Outlet | 1 – 27/32 " / 1 – 21/32 " | | |



Kerotest Manufacturing Corp.

5500 Second Avenue
Pittsburgh, PA 15207

Phone: 412-521-7688 Fax: 412-521-5990

Kerotest Needle and Gauge Valves

300 Gauge Valve

Features

- Forged Carbon Steel
- Teflon Packing (500 ° F Maximum)
- Integral Bonnet
- 10,000 PSI @ 100 ° F
- 416 Stainless Steel Stem
- Quality Construction



Ordering Code:

| Part Number | Size | Rating | Material | End-to-End | C-L to Top (Open) | Handle | Weight |
|---------------|-----------|------------|--------------|------------|-------------------|--------|--------|
| P-300N-35-004 | 1/2 " MxF | 10,000 PSI | Carbon Steel | 3 - 5/8 " | 2 - 31/32 " | 3 " | 1.5 lb |
| P-300N-35-002 | 1/4 " MxF | 10,000 PSI | Carbon Steel | 2 - 1/2 " | 2 - 9/16 " | 3 " | 1 lb |

Union Bonnet Design (310N) Available on Request



Kerotest Manufacturing Corp.

5500 Second Avenue
Pittsburgh, PA 15207

Phone: 412-521-7688 Fax: 412-521-5990

Kerotest Needle and Gauge Valves

N20 In-Line Union Bonnet Needle Valve

Features

- Metal to Metal Back Seat
- Repack in Open or Closed Position
- Ideal Where Danger of Fire Exists
- Prevents Flow Media from Entering Atmosphere When Open (Back Seated) or in the Closed Position



| DESCRIPTION | Carbon Steel | Stainless Steel |
|---|----------------------------------|---------------------------------|
| Body | ASTM-A108 Gr. 1213 ^{ac} | ASTM-A182 Type F316 |
| Stem | ASTM-A582 Type 416 | ASTM-A582 Type 303 ^d |
| Packing Nut | ASTM-A108 Gr. 1213 ^a | ASTM-A582 Type 303 |
| Bonnet | ASTM-A108 Gr. 1213 ^a | ASTM-A276 Type 316 |
| Packing Washer | AISI-C1010 ^a | 18 – 8 Stainless Steel |
| Packing | Garlock 127 AFP UTEX Style 1303 | Garlock 127 AFP UTEX Style 1303 |
| Handle | Carbon Steel ^b | Carbon Steel ^b |
| Union Nut | ASTM-A108 Gr. 1213 ^a | ASTM-A582 Type 416 |
| Handle Nut | Plated Steel | Plated Steel |
| a=Zinc Plated b=Yellow Zinc Plated c=A105 also available d=special trim available for sour gas service | | |
| GRAFOIL packing available upon request | | |



www.kerotest.com

Kerotest Manufacturing Corp.

5500 Second Avenue
Pittsburgh, PA 15207

Phone: 412-521-7688 Fax: 412-521-5990

Kerotest Needle and Gauge Valves

N20 In-Line Union Bonnet Needle Valve

Specifications:

- Female Pipe Ends per ANSI B1.20.1
- Socket Weld Ends per ANSI B16.11
- Max. Working Pressure 10,000 PSI @ 100 ° F
- Max. Temperature 750 ° F

| Size | End-to-End | C/L to Top (Open) | Handle | Weight (lbs) |
|-----------------|------------|---------------------|--------|----------------|
| 1/4 “ | 2 – 1/16 “ | 3 – 3/8 “ | 3 “ | 0.90 |
| 3/8 “ and 1/2 “ | 2 – 1/2 “ | 3 – 9/16 “ | 3 “ | 1.25 |
| 3/4 “ | 3 “ | 4 – 5/32 “ | 4 “ | 2 |
| 1 “ | 3 – 3/4 “ | 4 – 5/32 “ | 4 “ | 3.30 |

Ordering Code:

| Type | | 1/4" Part No. | 3/8" Part No. | 1/2" Part No. | 3/4" Part No. | 1" Part No. |
|-------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Female-NPT | Carbon Steel | P-0N20-49-002 | P-0N20-49-003 | P-0N20-49-004 | P-0N20-49-006 | P-0N20-49-008 |
| | 316 Stainless | T-0N20-49-002 | T-0N20-49-003 | T-0N20-49-004 | T-0N20-49-006 | T-0N20-49-008 |
| Socket Weld | Carbon Steel | P-0N20-96-002 | P-0N20-96-003 | P-0N20-96-004 | P-0N20-96-006 | P-0N20-96-008 |
| | 316 Stainless | T-0N20-96-002 | | T-0N20-96-004 | T-0N20-96-006 | T-0N20-96-008 |

For H₂S Service, Add -A07 to 316SS Part No.



Kerotest Manufacturing Corp.

5500 Second Avenue

Pittsburgh, PA 15207

Phone: 412-521-7688 Fax: 412-521-5990

Kerotest Needle and Gauge Valves

N21 Angle Union Bonnet Needle Valve

Features

- Metal to Metal Back Seat
- Repack in Open or Closed Position
- Ideal Where Danger of Fire Exists
- Prevents Flow Media from Entering Atmosphere When Open (Back Seated) or in the Closed Position



| DESCRIPTION | Carbon Steel | Stainless Steel |
|---|----------------------------------|---------------------------------|
| Body | ASTM-A108 Gr. 1213 ^{ac} | ASTM-A182 Type F316 |
| Stem | ASTM-A582 Type 416 | ASTM-A582 Type 303 ^d |
| Packing Nut | ASTM-A108 Gr. 1213 ^a | ASTM-A582 Type 303 |
| Bonnet | ASTM-A108 Gr. 1213 ^a | ASTM-A276 Type 316 |
| Packing Washer | AISI-C1010 ^a | 18 – 8 Stainless Steel |
| Packing | Garlock 127 AFP UTEX Style 1303 | Garlock 127 AFP UTEX Style 1303 |
| Handle | Carbon Steel ^b | Carbon Steel ^b |
| Union Nut | ASTM-A108 Gr. 1213 ^a | ASTM-A582 Type 416 |
| Handle Nut | Plated Steel | Plated Steel |
| a=Zinc Plated b=Yellow Zinc Plated c=A105 also available d=special trim available for sour gas service | | |
| GRAFOIL packing available upon request | | |



www.kerotest.com

Kerotest Manufacturing Corp.

5500 Second Avenue
Pittsburgh, PA 15207

Phone: 412-521-7688 Fax: 412-521-5990

Kerotest Needle and Gauge Valves

N21 Angle Union Bonnet Needle Valve

Specifications:

- Female Pipe Ends per ANSI B1.20.1
- Socket Weld Ends per ANSI B16.11
- Max. Working Pressure 10,000 PSI @ 100 ° F
- Max. Temperature 750 ° F

| Size | C/L to Inlet/Outlet | C/L to Top (Open) | Handle | Weight (lbs) |
|-----------------|-------------------------|---------------------|--------|----------------|
| 1/4 " | 1 – 1/32 " / 1 – 1/32 " | 3 -5/16 " | 3 " | 0.90 |
| 3/8 " and 1/2 " | 1 – 1/4 " / 1 – 1/4 " | 3 – 1/2 " | 3 " | 1.23 |
| 3/4 " | 1 – 1/2 " / 1 – 1/2 " | 4 – 5/32 " | 4 " | 1.95 |

Ordering Code:

| Type | | 1/4" Part No. | 3/8" Part No. | 1/2" Part No. | 3/4" Part No. |
|-------------|---------------|---------------|---------------|---------------|---------------|
| Female-NPT | Carbon Steel | P-0N21-49-002 | P-0N21-49-003 | P-0N21-49-004 | P-0N21-49-006 |
| | 316 Stainless | T-0N21-49-002 | T-0N21-49-003 | T-0N21-49-004 | T-0N21-49-006 |
| Socket Weld | Carbon Steel | P-0N21-96-002 | P-0N21-96-003 | P-0N21-96-004 | |
| | 316 Stainless | T-0N21-96-002 | | T-0N21-96-004 | |



Kerotest Manufacturing Corp.

5500 Second Avenue
Pittsburgh, PA 15207

Phone: 412-521-7688 Fax: 412-521-5990

Kerotest Needle and Gauge Valves

N28 Integral Union Bonnet Needle Valve



| DESCRIPTION | Carbon Steel | Stainless Steel |
|-----------------|---------------------------------|---------------------------|
| Body | ASTM-A108 Gr. 1213 ^a | ASTM-A182 Type 316 |
| Stem | ASTM-A582 Type 416 | ASTM-A582 Type 303 |
| Packing Nut | ASTM-A108 Gr. 1213 ^a | ASTM-A582 Type 303 |
| Panel Mount Nut | ASTM-A582 Type 303 | N/A |
| Packing Washer | AISI-C1010 ^a | 18 – 8 Stainless Steel |
| Packing | Virgin Teflon | Virgin Teflon |
| Handle | Carbon Steel ^b | Carbon Steel ^b |
| Handle Nut | Plated Steel | Plated Steel |
| | | |

a=Zinc Plated b=Yellow Zinc Plated

Specifications:

- Female Pipe Ends per ANSI B1.20.1
- Socket Weld Ends per ANSI B16.11
- Max. Working Pressure 10,000 PSI @ 100 ° F
- Max. Temperature 500 ° F

| Size | End-to-End | C/L to Top (Open) | Handle | Weight (lbs) |
|-----------------|------------|---------------------|--------|----------------|
| 1/4 “ | 2 – 1/16 “ | 2 – 9/16 “ | 3 “ | 0.81 |
| 3/8 “ and 1/2 “ | 2 – 1/2 “ | 2 – 11/16 “ | 3 “ | 1.16 |
| 3/4 “ | 3 “ | 3 – 1/32 “ | 4 “ | 1.83 |
| 1 “ | 3 – 3/4 “ | 3 – 7/32 “ | 4 “ | 3.12 |

Ordering Code:

| Type | | 1/4" Part No. | 3/8" Part No. | 1/2" Part No. | 3/4" Part No. | 1" Part No. |
|-------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Female-NPT | Carbon Steel | P-0N28-49-002 | P-0N28-49-003 | P-0N28-49-004 | P-0N28-49-006 | P-0N28-49-008 |
| | 316 Stainless | T-0N28-49-002 | T-0N28-49-003 | T-0N28-49-004 | T-0N28-49-006 | T-0N28-49-008 |
| Socket Weld | Carbon Steel | P-0N28-96-002 | | P-0N28-96-004 | P-0N28-96-006 | P-0N28-96-008 |



Kerotest Manufacturing Corp.

5500 Second Avenue

Pittsburgh, PA 15207

Phone: 412-521-7688 Fax: 412-521-5990

Kerotest Needle and Gauge Valves

N28 Soft Seated Needle Valve



| DESCRIPTION | Carbon Steel |
|---|---------------------------------|
| Body | ASTM-A108 Gr. 1213 ^a |
| Stem | ASTM-A582 Type 416 |
| Packing Nut | ASTM-A108 Gr. 1213 ^a |
| Panel Mount Nut | ASTM-A582 Type 303 |
| Packing Washer | AISI-C1010 ^a |
| Packing | Virgin Teflon |
| Handle | Carbon Steel ^b |
| Handle Nut | Plated Steel |
| | |
| a=Zinc Plated b=Yellow Zinc Plated | |

Specifications:

- Female Pipe Ends per ANSI B1.20.1
- Socket Weld Ends per ANSI B16.11
- Max. Working Pressure 10,000 PSI @ 100 ° F
- Max. Temperature 275 ° F

| Size | End-to-End | C/L to Top (Open) | Handle | Weight (lbs) |
|-----------------|------------|---------------------|--------|----------------|
| 1/4 " | 2 – 1/16 " | 2 – 9/16 " | 3 " | 0.81 |
| 3/8 " and 1/2 " | 2 – 1/2 " | 2 – 11/16 " | 3 " | 1.16 |
| 3/4 " | 3 " | 3 – 1/32 " | 4 " | 1.83 |
| 1 " | 3 – 3/4 " | 3 – 7/32 " | 4 " | 3.12 |

Ordering Code:

| Carbon Steel | 1/4" Part No. | 3/8" Part No. | 1/2" Part No. | 3/4" Part No. | 1" Part No. |
|--------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Female-NPT | P-0N28-49-002-A01 | P-0N28-49-003-A01 | P-0N28-49-004-A01 | P-0N28-49-006-A01 | P-0N28-49-008-A01 |



Kerotest Manufacturing Corp.

5500 Second Avenue
Pittsburgh, PA 15207

Phone: 412-521-7688 Fax: 412-521-5990

Kerotest Needle and Gauge Valves

N29 Angle Integral Bonnet Needle Valve



| DESCRIPTION | Carbon Steel | Stainless Steel |
|---|---------------------------------|---------------------------|
| Body | ASTM-A108 Gr. 1213 ^a | ASTM-A182 Type 316 |
| Stem | ASTM-A582 Type 416 | ASTM-A582 Type 303 |
| Packing Nut | ASTM-A108 Gr. 1213 ^a | ASTM-A582 Type 303 |
| Packing Washer | AISI-C1010 ^a | 18 – 8 Stainless Steel |
| Packing | Virgin Teflon | Virgin Teflon |
| Handle | Carbon Steel ^b | Carbon Steel ^b |
| Handle Nut | Plated Steel | Plated Steel |
| a=Zinc Plated b=Yellow Zinc Plated | | |

Specifications:

- Female Pipe Ends per ANSI B1.20.1
- Socket Weld Ends per ANSI B16.11
- Max. Working Pressure 10,000 PSI @ 100 ° F
- Max. Temperature 500 ° F

| Size | C/L to Inlet/Outlet | C/L to Top (Open) | Handle | Weight (lbs) |
|-----------------|-------------------------|---------------------|--------|----------------|
| 1/4 “ | 1 – 1/32 “ / 1 – 1/32 “ | 2 – 9/16 “ | 3 “ | 0.81 |
| 3/8 “ and 1/2 “ | 1 – 1/4 “ / 1 – 1/4 “ | 2 – 11/16 “ | 3 “ | 1.16 |
| 3/4 “ | 1 – 1/2 “ / 1 – 1/2 “ | 3 – 1/32 “ | 4 “ | 1.83 |

Ordering Code:

| Carbon Steel | 1/4" Part No. | 3/8" Part No. | 1/2" Part No. | 3/4" Part No. |
|--------------|---------------|---------------|---------------|---------------|
| Female-NPT | P-0N29-49-002 | P-0N29-49-003 | P-0N29-49-004 | P-0N29-49-006 |
| Socket Weld | P-0N29-96-002 | P-0N29-96-003 | P-0N29-96-004 | P-0N29-96-006 |



Kerotest Manufacturing Corp.

5500 Second Avenue
Pittsburgh, PA 15207

Phone: 412-521-7688 Fax: 412-521-5990