

Can OpenVision HD Screen Your Piping?



Learn the common sizing, cladding, and insulation it's best suited for.

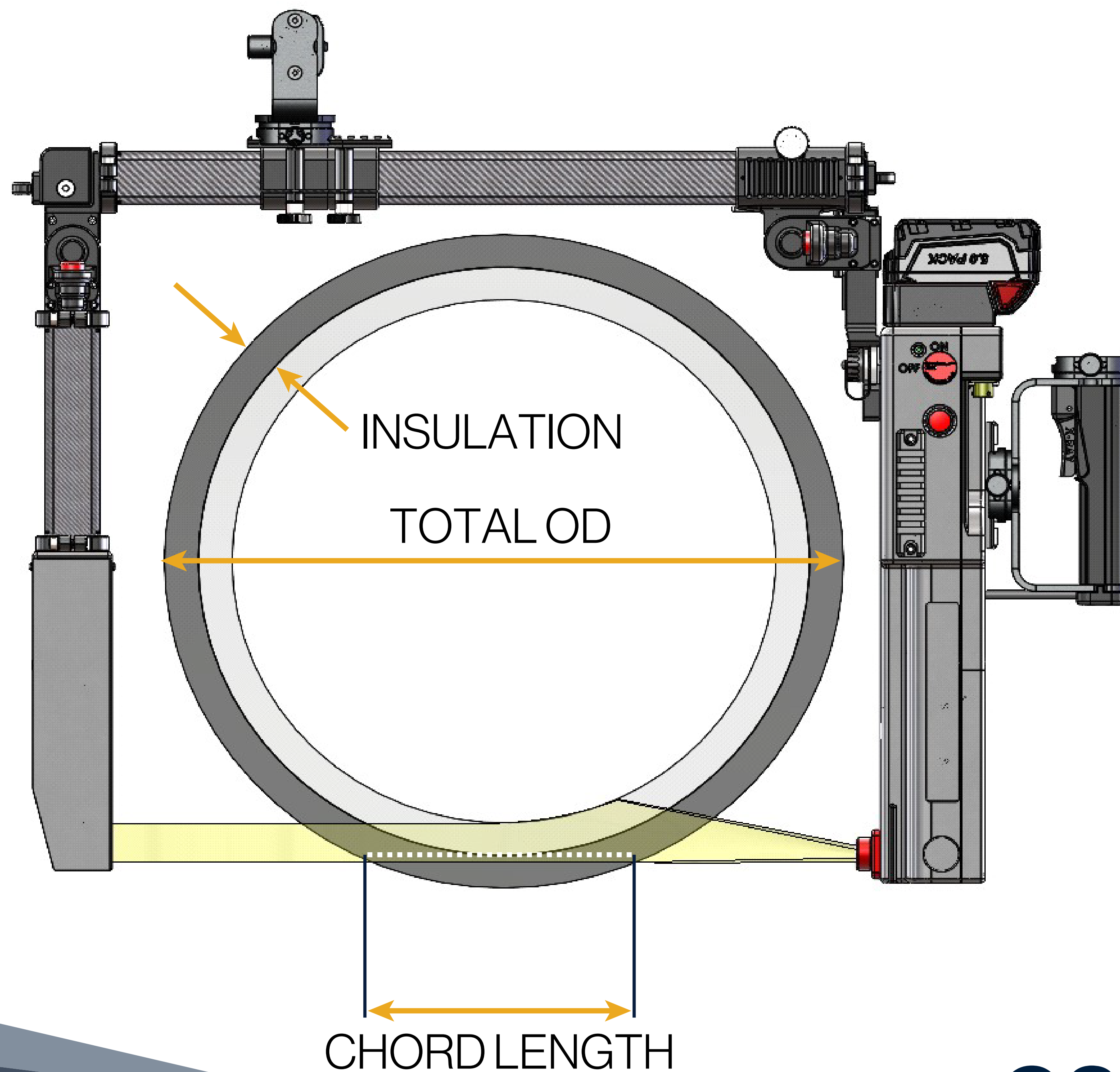
QSA GLOBAL.

MINIMUM ALLOWABLE JACKETING THICKNESS*

MATERIAL

| | OUTER INSULATION DIAMETER | RIGID INSULATION | NON-RIGID INSULATION |
|-----------------|--|---------------------|----------------------|
| Aluminum | up through 203.2 mm up through 8 in | 0.25 mm 0.016 in | 0.25 mm 0.016 in |
| | over 203.2 thru 279.4 mm over 8 thru 11 in | 0.25 mm 0.016 in | 0.50 mm 0.020 in |
| | over 279.4 thru 609.6 mm over 11 thru 24 in | 0.25 mm 0.016 in | 0.60 mm 0.024 in |
| | over 609.6 thru 914.4 mm over 24 thru 36 in | 0.50 mm 0.020 in | 0.80 mm 0.032 in |
| | over 914.4 mm over 36 in | 0.60 mm 0.024 in | 1.00 mm 0.040 in |
| Stainless Steel | up through 609.6 mm up through 24 in | 0.25 mm 0.010 in | 0.25 mm 0.010 in |
| | 660.4 mm and larger 26 in and larger | 0.40 mm 0.016 in | 0.40 mm 0.016 in |
| Coated Steel | all | 0.40 mm 0.016 in | 0.40 mm 0.016 in |

*per ASTM C1696-2020



Calcium Silicate

DN 50 / NPS 2

| | | | STAINLESS STEEL CLADDING THICKNESS | | | | | ALUMINUM CLADDING THICKNESS | | | | | |
|-------------------------|---------------------|-----------------------|---------------------------------------|--------------------|--------------------|-------------------|--------------------|--------------------------------|--------------------|-------------------|--------------------|--------------------|-------------------|
| INSULATION THICKNESS | 60.3 mm 2.375 in | Total OD | Chord Length | 0.25 mm 0.01 in | 0.4 mm 0.016 in | 0.5 mm 0.02 in | 0.6 mm 0.024 in | 0.8 mm 0.032 in | 0.4 mm 0.016 in | 0.5 mm 0.02 in | 0.6 mm 0.024 in | 0.8 mm 0.032 in | 1.0 mm 0.04 in |
| | 25.4 mm 1.0 in | 111.1 mm 4.375 in | 93.3 mm 3.7 in | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| | 50.8 mm 2.0 in | 161.9 mm 6.375 in | 150.3 mm 5.9 in | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| | 76.2 mm 3.0 in | 212.7 mm 8.375 in | 204.0 mm 8.0 in | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| | 101.6 mm 4.0 in | 263.5 mm 10.375 in | 256.5 mm 10.1 in | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |

DN 80 / NPS 3

| | | | STAINLESS STEEL CLADDING THICKNESS | | | | | ALUMINUM CLADDING THICKNESS | | | | | |
|-------------------------|--------------------|---------------------|---------------------------------------|--------------------|--------------------|-------------------|--------------------|--------------------------------|--------------------|-------------------|--------------------|--------------------|-------------------|
| INSULATION THICKNESS | 88.9 mm 3.5 in | Total OD | Chord Length | 0.25 mm 0.01 in | 0.4 mm 0.016 in | 0.5 mm 0.02 in | 0.6 mm 0.024 in | 0.8 mm 0.032 in | 0.4 mm 0.016 in | 0.5 mm 0.02 in | 0.6 mm 0.024 in | 0.8 mm 0.032 in | 1.0 mm 0.04 in |
| | 25.4 mm 1.0 in | 139.7 mm 5.5 in | 107.8 mm 4.2 in | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| | 50.8 mm 2.0 in | 190.5 mm 7.5 in | 168.5 mm 6.6 in | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| | 76.2 mm 3.0 in | 241.3 mm 9.5 in | 224.3 mm 8.8 in | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| | 101.6 mm 4.0 in | 292.1 mm 11.5 in | 278.2 mm 11.0 in | ■ | ■ | ■ | □ | □ | ■ | ■ | ■ | ■ | ■ |

DN 100 / NPS 4

| | | | STAINLESS STEEL CLADDING THICKNESS | | | | | ALUMINUM CLADDING THICKNESS | | | | | |
|-------------------------|--------------------|---------------------|---------------------------------------|--------------------|--------------------|-------------------|--------------------|--------------------------------|--------------------|-------------------|--------------------|--------------------|-------------------|
| INSULATION THICKNESS | 114.3 mm 4.5 in | Total OD | Chord Length | 0.25 mm 0.01 in | 0.4 mm 0.016 in | 0.5 mm 0.02 in | 0.6 mm 0.024 in | 0.8 mm 0.032 in | 0.4 mm 0.016 in | 0.5 mm 0.02 in | 0.6 mm 0.024 in | 0.8 mm 0.032 in | 1.0 mm 0.04 in |
| | 25.4 mm 1.0 in | 165.1 mm 6.5 in | 119.1 mm 4.7 in | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| | 50.8 mm 2.0 in | 215.9 mm 8.5 in | 183.2 mm 7.2 in | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| | 76.2 mm 3.0 in | 266.7 mm 10.5 in | 241.0 mm 9.5 in | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| | 101.6 mm 4.0 in | 317.5 mm 12.5 in | 296.2 mm 11.7 in | ■ | ■ | ■ | □ | □ | ■ | ■ | ■ | ■ | ■ |

■ Good
 To be evaluated
 Does not comply with ASTM C1696 - 2020 Edition
 N/A - Exceeds dimensional limits

Calcium Silicate

DN 150 / NPS 6

| | | | STAINLESS STEEL CLADDING THICKNESS | | | | | ALUMINUM CLADDING THICKNESS | | | | | |
|-------------------------|----------------------|-----------------------|---------------------------------------|--------------------|--------------------|-------------------|--------------------|--------------------------------|--------------------|-------------------|--------------------|--------------------|-------------------|
| INSULATION THICKNESS | 168.3 mm 6.625 in | Total OD | Chord Length | 0.25 mm 0.01 in | 0.4 mm 0.016 in | 0.5 mm 0.02 in | 0.6 mm 0.024 in | 0.8 mm 0.032 in | 0.4 mm 0.016 in | 0.5 mm 0.02 in | 0.6 mm 0.024 in | 0.8 mm 0.032 in | 1.0 mm 0.04 in |
| | 25.4 mm 1.0 in | 219.1 mm 8.625 in | 140.3 mm 5.5 in | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| | 50.8 mm 2.0 in | 269.9 mm 10.625 in | 211.0 mm 8.3 in | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| | 76.2 mm 3.0 in | 320.7 mm 12.625 in | 273.0 mm 10.7 in | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| | 101.6 mm 4.0 in | 371.5 mm 14.625 in | 331.2 mm 13.0 in | □ | □ | □ | □ | □ | ■ | ■ | ■ | ■ | ■ |

DN 200 / NPS 8

| | | | STAINLESS STEEL CLADDING THICKNESS | | | | | ALUMINUM CLADDING THICKNESS | | | | | |
|-------------------------|----------------------|-----------------------|---------------------------------------|--------------------|--------------------|-------------------|--------------------|--------------------------------|--------------------|-------------------|--------------------|--------------------|-------------------|
| INSULATION THICKNESS | 219.1 mm 8.625 in | Total OD | Chord Length | 0.25 mm 0.01 in | 0.4 mm 0.016 in | 0.5 mm 0.02 in | 0.6 mm 0.024 in | 0.8 mm 0.032 in | 0.4 mm 0.016 in | 0.5 mm 0.02 in | 0.6 mm 0.024 in | 0.8 mm 0.032 in | 1.0 mm 0.04 in |
| | 25.4 mm 1.0 in | 269.9 mm 10.625 in | 157.6 mm 6.2 in | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| | 50.8 mm 2.0 in | 320.7 mm 12.625 in | 234.2 mm 9.2 in | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| | 76.2 mm 3.0 in | 371.5 mm 14.625 in | 300.0 mm 11.8 in | ■ | ■ | ■ | □ | □ | ■ | ■ | ■ | ■ | ■ |
| | 101.6 mm 4.0 in | 422.3 mm 16.625 in | 361.0 mm 14.2 in | □ | □ | □ | □ | □ | ■ | ■ | ■ | ■ | ■ |

DN 250 / NPS 10

| | | | STAINLESS STEEL CLADDING THICKNESS | | | | | ALUMINUM CLADDING THICKNESS | | | | | |
|-------------------------|----------------------|----------------------|---------------------------------------|--------------------|--------------------|-------------------|--------------------|--------------------------------|--------------------|-------------------|--------------------|--------------------|-------------------|
| INSULATION THICKNESS | 273.0 mm 10.75 in | Total OD | Chord Length | 0.25 mm 0.01 in | 0.4 mm 0.016 in | 0.5 mm 0.02 in | 0.6 mm 0.024 in | 0.8 mm 0.032 in | 0.4 mm 0.016 in | 0.5 mm 0.02 in | 0.6 mm 0.024 in | 0.8 mm 0.032 in | 1.0 mm 0.04 in |
| | 25.4 mm 1.0 in | 323.8 mm 12.75 in | 174.1 mm 6.9 in | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| | 50.8 mm 2.0 in | 374.6 mm 14.75 in | 256.5 mm 10.1 in | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| | 76.2 mm 3.0 in | 425.4 mm 16.75 in | 326.2 mm 12.8 in | □ | □ | □ | □ | □ | ■ | ■ | ■ | ■ | ■ |
| | 101.6 mm 4.0 in | 476.2 mm 18.75 in | 390.2 mm 15.4 in | □ | □ | □ | □ | □ | ■ | ■ | ■ | ■ | ■ |

■ Good
 To be evaluated
 Does not comply with ASTM C1696 - 2020 Edition
 N/A - Exceeds dimensional limits

Calcium Silicate

| DN 300 / NPS 12 | | | STAINLESS STEEL CLADDING THICKNESS | | | | | ALUMINUM CLADDING THICKNESS | | | | | |
|-------------------------|----------------------|----------------------|---------------------------------------|-------------------|-------------------|--------------------|--------------------|--------------------------------|-------------------|--------------------|--------------------|-------------------|---|
| | | | 0.25 mm 0.01 in | 0.4mm 0.016 in | 0.5 mm 0.02 in | 0.6 mm 0.024 in | 0.8 mm 0.032 in | 0.4 mm 0.016 in | 0.5 mm 0.02 in | 0.6 mm 0.024 in | 0.8 mm 0.032 in | 1.0 mm 0.04 in | |
| INSULATION THICKNESS | 323.8 mm 12.75 in | Total OD | Chord Length | | | | | | | | | | |
| | 25.4 mm 1.0 in | 374.6 mm 14.75 in | 188.4 mm 7.4 in | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| | 50.8 mm 2.0 in | 425.4 mm 16.75 in | 275.9 mm 10.9 in | ■ | ■ | ■ | □ | □ | ■ | ■ | ■ | ■ | ■ |
| | 76.2 mm 3.0 in | 476.2 mm 18.75 in | 349.2 mm 13.7 in | □ | □ | □ | □ | □ | ■ | ■ | ■ | ■ | ■ |
| | 101.6 mm 4.0 in | 527.0 mm 20.75 in | 415.8 mm 16.4 in | □ | □ | □ | □ | □ | ■ | ■ | ■ | ■ | ■ |
| DN 350 / NPS 14 | | | | | | | | | | | | | |
| INSULATION THICKNESS | 355.6 mm 14.0 in | Total OD | Chord Length | | | | | | | | | | |
| | 25.4 mm 1.0 in | 406.4 mm 16.0 in | 196.7 mm 7.7 in | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| | 50.8 mm 2.0 in | 457.2 mm 18.0 in | 287.4 mm 11.3 in | ■ | ■ | ■ | □ | □ | ■ | ■ | ■ | ■ | ■ |
| | 76.2 mm 3.0 in | 508.0 mm 20.0 in | 362.8 mm 14.3 in | □ | □ | □ | □ | □ | ■ | ■ | ■ | ■ | ■ |
| | 101.6 mm 4.0 in | 558.8 mm 22.0 in | 431.1 mm 17.0 in | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ |
| DN 400 / NPS 16 | | | | | | | | | | | | | |
| INSULATION THICKNESS | 406.4 mm 16.0 in | Total OD | Chord Length | | | | | | | | | | |
| | 25.4 mm 1.0 in | 457.2 mm 18.0 in | 209.5 mm 4.7 in | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| | 50.8 mm 2.0 in | 508.0 mm 20.0 in | 304.8 mm 7.2 in | ■ | ■ | ■ | □ | □ | ■ | ■ | ■ | ■ | ■ |
| | 76.2 mm 3.0 in | 558.8 mm 22.0 in | 383.5 mm 9.5 in | □ | □ | □ | □ | □ | ■ | ■ | ■ | ■ | ■ |
| | 101.6 mm 4.0 in | 609.6 mm 24.0 in | 454.4 mm 11.7 in | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ |

■ Good
 To be evaluated
 Does not comply with ASTM C1696 - 2020 Edition
 N/A - Exceeds dimensional limits

Calcium Silicate

DN 450 / NPS 18

INSULATION THICKNESS

| INSULATION THICKNESS | 457.0 mm 18.0 in | Total OD | Chord Length | STAINLESS STEEL CLADDING THICKNESS | | | | | ALUMINUM CLADDING THICKNESS | | | | | |
|----------------------|---------------------|---------------------|--------------|------------------------------------|-------------------|-------------------|--------------------|--------------------|-----------------------------|-------------------|--------------------|--------------------|-------------------|---|
| | | | | 0.25 mm 0.01 in | 0.4mm 0.016 in | 0.5 mm 0.02 in | 0.6 mm 0.024 in | 0.8 mm 0.032 in | 0.4 mm 0.016 in | 0.5 mm 0.02 in | 0.6 mm 0.024 in | 0.8 mm 0.032 in | 1.0 mm 0.04 in | |
| 25.4 mm 1.0 in | 507.8 mm 20.0 in | 221.4 mm 8.7 in | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| 50.8 mm 2.0 in | 558.6 mm 22.0 in | 321.2 mm 12.6 in | | □ | □ | □ | □ | □ | ■ | ■ | ■ | ■ | ■ | ■ |
| 76.2 mm 3.0 in | 609.4 mm 24.0 in | 403.1 mm 15.9 in | | □ | □ | □ | □ | □ | ■ | ■ | ■ | ■ | ■ | ■ |
| ■ | ■ | ■ | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |

DN 500 / NPS 20

INSULATION THICKNESS

| INSULATION THICKNESS | 508.0 mm 20.0 in | Total OD | Chord Length | STAINLESS STEEL CLADDING THICKNESS | | | | | ALUMINUM CLADDING THICKNESS | | | | | |
|----------------------|---------------------|---------------------|--------------|------------------------------------|-------------------|-------------------|--------------------|--------------------|-----------------------------|-------------------|--------------------|--------------------|-------------------|---|
| | | | | 0.25 mm 0.01 in | 0.4mm 0.016 in | 0.5 mm 0.02 in | 0.6 mm 0.024 in | 0.8 mm 0.032 in | 0.4 mm 0.016 in | 0.5 mm 0.02 in | 0.6 mm 0.024 in | 0.8 mm 0.032 in | 1.0 mm 0.04 in | |
| 25.4 mm 1.0 in | 558.8 mm 22.0 in | 232.8 mm 9.2 in | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| 50.8 mm 2.0 in | 609.6 mm 24.0 in | 337.0 mm 13.3 in | | □ | □ | □ | □ | □ | ■ | ■ | ■ | ■ | ■ | ■ |
| 76.2 mm 3.0 in | 660.4 mm 26.0 in | 422.0 mm 16.6 in | | □ | □ | □ | □ | □ | ■ | ■ | ■ | ■ | ■ | ■ |
| ■ | ■ | ■ | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |

■ Good

□ To be evaluated

■ Does not comply with ASTM C1696 - 2020 Edition

■ N/A - Exceeds dimensional limits

Mineral Wool

DN 50 / NPS 2

| | | | STAINLESS STEEL CLADDING THICKNESS | | | | | ALUMINUM CLADDING THICKNESS | | | | | |
|-------------------------|---------------------|-----------------------|---------------------------------------|--------------------|--------------------|-------------------|--------------------|--------------------------------|--------------------|-------------------|--------------------|--------------------|-------------------|
| INSULATION THICKNESS | 60.3 mm 2.375 in | Total OD | Chord Length | 0.25 mm 0.01 in | 0.4 mm 0.016 in | 0.5 mm 0.02 in | 0.6 mm 0.024 in | 0.8 mm 0.032 in | 0.4 mm 0.016 in | 0.5 mm 0.02 in | 0.6 mm 0.024 in | 0.8 mm 0.032 in | 1.0 mm 0.04 in |
| | 25.4 mm 1.0 in | 111.1 mm 4.375 in | 93.3 mm 3.7 in | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| | 50.8 mm 2.0 in | 161.9 mm 6.375 in | 150.3 mm 5.9 in | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| | 76.2 mm 3.0 in | 212.7 mm 8.375 in | 204.0 mm 8.0 in | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| | 101.6 mm 4.0 in | 263.5 mm 10.375 in | 256.5 mm 10.1 in | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |

DN 80 / NPS 3

| | | | STAINLESS STEEL CLADDING THICKNESS | | | | | ALUMINUM CLADDING THICKNESS | | | | | |
|-------------------------|--------------------|---------------------|---------------------------------------|--------------------|--------------------|-------------------|--------------------|--------------------------------|--------------------|-------------------|--------------------|--------------------|-------------------|
| INSULATION THICKNESS | 88.9 mm 3.5 in | Total OD | Chord Length | 0.25 mm 0.01 in | 0.4 mm 0.016 in | 0.5 mm 0.02 in | 0.6 mm 0.024 in | 0.8 mm 0.032 in | 0.4 mm 0.016 in | 0.5 mm 0.02 in | 0.6 mm 0.024 in | 0.8 mm 0.032 in | 1.0 mm 0.04 in |
| | 25.4 mm 1.0 in | 139.7 mm 5.5 in | 107.8 mm 4.2 in | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| | 50.8 mm 2.0 in | 190.5 mm 7.5 in | 168.5 mm 6.6 in | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| | 76.2 mm 3.0 in | 241.3 mm 9.5 in | 224.3 mm 8.8 in | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| | 101.6 mm 4.0 in | 292.1 mm 11.5 in | 278.2 mm 11.0 in | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |

DN 100 / NPS 4

| | | | STAINLESS STEEL CLADDING THICKNESS | | | | | ALUMINUM CLADDING THICKNESS | | | | | |
|-------------------------|--------------------|---------------------|---------------------------------------|--------------------|--------------------|-------------------|--------------------|--------------------------------|--------------------|-------------------|--------------------|--------------------|-------------------|
| INSULATION THICKNESS | 114.3 mm 4.5 in | Total OD | Chord Length | 0.25 mm 0.01 in | 0.4 mm 0.016 in | 0.5 mm 0.02 in | 0.6 mm 0.024 in | 0.8 mm 0.032 in | 0.4 mm 0.016 in | 0.5 mm 0.02 in | 0.6 mm 0.024 in | 0.8 mm 0.032 in | 1.0 mm 0.04 in |
| | 25.4 mm 1.0 in | 165.1 mm 6.5 in | 119.1 mm 4.7 in | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| | 50.8 mm 2.0 in | 215.9 mm 8.5 in | 183.2 mm 7.2 in | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| | 76.2 mm 3.0 in | 266.7 mm 10.5 in | 241.0 mm 9.5 in | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| | 101.6 mm 4.0 in | 317.5 mm 12.5 in | 296.2 mm 11.7 in | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |

■ Good
 To be evaluated
 Does not comply with ASTM C1696 - 2020 Edition
 N/A - Exceeds dimensional limits

Mineral Wool

DN 150 / NPS 6

| INSULATION THICKNESS | 168.3 mm 6.625 in | Total OD | Chord Length | STAINLESS STEEL CLADDING THICKNESS | | | | | ALUMINUM CLADDING THICKNESS | | | | |
|----------------------|-----------------------|---------------------|--------------|------------------------------------|--------------------|-------------------|--------------------|--------------------|-----------------------------|-------------------|--------------------|--------------------|-------------------|
| | | | | 0.25 mm 0.01 in | 0.4 mm 0.016 in | 0.5 mm 0.02 in | 0.6 mm 0.024 in | 0.8 mm 0.032 in | 0.4 mm 0.016 in | 0.5 mm 0.02 in | 0.6 mm 0.024 in | 0.8 mm 0.032 in | 1.0 mm 0.04 in |
| 25.4 mm 1.0 in | 219.1 mm 8.625 in | 140.3 mm 5.5 in | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| 50.8 mm 2.0 in | 269.9 mm 10.625 in | 211.0 mm 8.3 in | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| 76.2 mm 3.0 in | 320.7 mm 12.625 in | 273.0 mm 10.7 in | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| 101.6 mm 4.0 in | 371.5 mm 14.625 in | 331.2 mm 13.0 in | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |

DN 200 / NPS 8

| INSULATION THICKNESS | 219.1 mm 8.625 in | Total OD | Chord Length | STAINLESS STEEL CLADDING THICKNESS | | | | | ALUMINUM CLADDING THICKNESS | | | | |
|----------------------|-----------------------|---------------------|--------------|------------------------------------|--------------------|-------------------|--------------------|--------------------|-----------------------------|-------------------|--------------------|--------------------|-------------------|
| | | | | 0.25 mm 0.01 in | 0.4 mm 0.016 in | 0.5 mm 0.02 in | 0.6 mm 0.024 in | 0.8 mm 0.032 in | 0.4 mm 0.016 in | 0.5 mm 0.02 in | 0.6 mm 0.024 in | 0.8 mm 0.032 in | 1.0 mm 0.04 in |
| 25.4 mm 1.0 in | 269.9 mm 10.625 in | 157.6 mm 6.2 in | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| 50.8 mm 2.0 in | 320.7 mm 12.625 in | 234.2 mm 9.2 in | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| 76.2 mm 3.0 in | 371.5 mm 14.625 in | 300.0 mm 11.8 in | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| 101.6 mm 4.0 in | 422.3 mm 16.625 in | 361.0 mm 14.2 in | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |

DN 250 / NPS 10

| INSULATION THICKNESS | 273.0 mm 10.75 in | Total OD | Chord Length | STAINLESS STEEL CLADDING THICKNESS | | | | | ALUMINUM CLADDING THICKNESS | | | | |
|----------------------|----------------------|---------------------|--------------|------------------------------------|--------------------|-------------------|--------------------|--------------------|-----------------------------|-------------------|--------------------|--------------------|-------------------|
| | | | | 0.25 mm 0.01 in | 0.4 mm 0.016 in | 0.5 mm 0.02 in | 0.6 mm 0.024 in | 0.8 mm 0.032 in | 0.4 mm 0.016 in | 0.5 mm 0.02 in | 0.6 mm 0.024 in | 0.8 mm 0.032 in | 1.0 mm 0.04 in |
| 25.4 mm 1.0 in | 323.8 mm 12.75 in | 174.1 mm 6.9 in | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| 50.8 mm 2.0 in | 374.6 mm 14.75 in | 256.5 mm 10.1 in | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| 76.2 mm 3.0 in | 425.4 mm 16.75 in | 326.2 mm 12.8 in | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| 101.6 mm 4.0 in | 476.2 mm 18.75 in | 390.2 mm 15.4 in | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |

■ Good
 To be evaluated
 Does not comply with ASTM C1696 - 2020 Edition
 N/A - Exceeds dimensional limits

Mineral Wool

| DN 300 / NPS 12 | | | STAINLESS STEEL CLADDING THICKNESS | | | | | ALUMINUM CLADDING THICKNESS | | | | | |
|-------------------------|----------------------|----------------------|---------------------------------------|--------------------|-------------------|--------------------|--------------------|--------------------------------|-------------------|--------------------|--------------------|-------------------|---|
| | | | 0.25 mm 0.01 in | 0.4 mm 0.016 in | 0.5 mm 0.02 in | 0.6 mm 0.024 in | 0.8 mm 0.032 in | 0.4 mm 0.016 in | 0.5 mm 0.02 in | 0.6 mm 0.024 in | 0.8 mm 0.032 in | 1.0 mm 0.04 in | |
| INSULATION THICKNESS | 323.8 mm 12.75 in | Total OD | Chord Length | | | | | | | | | | |
| | 25.4 mm 1.0 in | 374.6 mm 14.75 in | 188.4 mm 7.4 in | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| | 50.8 mm 2.0 in | 425.4 mm 16.75 in | 275.9 mm 10.9 in | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| | 76.2 mm 3.0 in | 476.2 mm 18.75 in | 349.2 mm 13.7 in | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| | 101.6 mm 4.0 in | 527.0 mm 20.75 in | 415.8 mm 16.4 in | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| DN 350 / NPS 14 | | | | | | | | | | | | | |
| INSULATION THICKNESS | 355.6 mm 14.0 in | Total OD | Chord Length | | | | | | | | | | |
| | 25.4 mm 1.0 in | 406.4 mm 16.0 in | 196.7 mm 7.7 in | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| | 50.8 mm 2.0 in | 457.2 mm 18.0 in | 287.4 mm 11.3 in | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| | 76.2 mm 3.0 in | 508.0 mm 20.0 in | 362.8 mm 14.3 in | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| | 101.6 mm 4.0 in | 558.8 mm 22.0 in | 431.1 mm 17.0 in | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| DN 400 / NPS 16 | | | | | | | | | | | | | |
| INSULATION THICKNESS | 406.4 mm 16.0 in | Total OD | Chord Length | | | | | | | | | | |
| | 25.4 mm 1.0 in | 457.2 mm 18.0 in | 209.5 mm 4.7 in | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| | 50.8 mm 2.0 in | 508.0 mm 20.0 in | 304.8 mm 7.2 in | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| | 76.2 mm 3.0 in | 558.8 mm 22.0 in | 383.5 mm 9.5 in | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| | 101.6 mm 4.0 in | 609.6 mm 24.0 in | 454.4 mm 11.7 in | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |

■ Good
 To be evaluated
 Does not comply with ASTM C1696 - 2020 Edition
 N/A - Exceeds dimensional limits

Mineral Wool

DN 450 / NPS 18

| INSULATION THICKNESS | 457.0 mm 18.0 in | Total OD | Chord Length | STAINLESS STEEL CLADDING THICKNESS | | | | | ALUMINUM CLADDING THICKNESS | | | | |
|----------------------|---------------------|---------------------|--------------|------------------------------------|--------------------|-------------------|--------------------|--------------------|-----------------------------|-------------------|--------------------|--------------------|-------------------|
| | | | | 0.25 mm 0.01 in | 0.4 mm 0.016 in | 0.5 mm 0.02 in | 0.6 mm 0.024 in | 0.8 mm 0.032 in | 0.4 mm 0.016 in | 0.5 mm 0.02 in | 0.6 mm 0.024 in | 0.8 mm 0.032 in | 1.0 mm 0.04 in |
| 25.4 mm 1.0 in | 508.0 mm 20.0 in | 221.4 mm 8.7 in | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| 50.8 mm 2.0 in | 558.6 mm 22.0 in | 321.2 mm 12.6 in | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| 76.2 mm 3.0 in | 609.4 mm 24.0 in | 403.1 mm 15.9 in | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| ■ | ■ | ■ | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |

DN 500 / NPS 20

| INSULATION THICKNESS | 508.0 mm 20.0 in | Total OD | Chord Length | STAINLESS STEEL CLADDING THICKNESS | | | | | ALUMINUM CLADDING THICKNESS | | | | |
|----------------------|---------------------|---------------------|--------------|------------------------------------|--------------------|-------------------|--------------------|--------------------|-----------------------------|-------------------|--------------------|--------------------|-------------------|
| | | | | 0.25 mm 0.01 in | 0.4 mm 0.016 in | 0.5 mm 0.02 in | 0.6 mm 0.024 in | 0.8 mm 0.032 in | 0.4 mm 0.016 in | 0.5 mm 0.02 in | 0.6 mm 0.024 in | 0.8 mm 0.032 in | 1.0 mm 0.04 in |
| 25.4 mm 1.0 in | 558.8 mm 22.0 in | 232.8 mm 9.2 in | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| 50.8 mm 2.0 in | 609.6 mm 24.0 in | 337.0 mm 13.3 in | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| 76.2 mm 3.0 in | 660.4 mm 26.0 in | 422.0 mm 16.6 in | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| ■ | ■ | ■ | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |

■ Good
 To be evaluated
 Does not comply with ASTM C1696 - 2020 Edition
 N/A - Exceeds dimensional limits