

# Product Catalogue



## Composite Nirman Materials Pvt Ltd

*Shaping your Dreams*



[www.cnm.co.in](http://www.cnm.co.in)



**Composite Nirman Materials Pvt Ltd** was established in 2007 and has been implementing state of the art technologies in fluid control systems ever since.

CNM is a recognized leader in the Indian market for Compression Type End Connection Valves for Composite Piping Systems.

Our AKAR® range of valves and shower channels, are also one of the most easily available in the country due to our pan India distribution network.

Our products are under a continuous state of improvement, keeping in line with our passion towards perfection. This approach has enabled us to acquire a leadership role in the market.



# PAP Ball Valve

Compression Type End Connection Quarter Turn Isolating Ball Valve for (PE-Al-PE) Composite Pressure Pipes.

## Sizes

| Size  | Suitable for        | ■  | ■■■■ |
|-------|---------------------|----|------|
| 14×14 | 1014 Composite Pipe | 10 | 100  |
| 16×16 | 1216 Composite Pipe | 10 | 100  |
| 20×20 | 1620 Composite Pipe | 8  | 64   |
| 25×25 | 2025 Composite Pipe | 6  | 36   |
| 32×32 | 2532 Composite Pipe | 4  | 24   |
| 40×40 | 3240 Composite Pipe | 4  | 16   |
| 50×50 | 4050 Composite Pipe | 2  | 8    |



## Operating Conditions

Pressure

1.6 MPa

Temperature

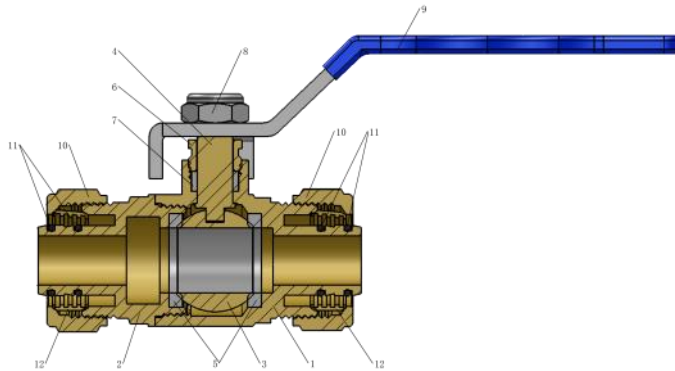
-20° to 110°C

Medium

Water, Compressed Air / Vacuum

Non Corrosive Liquid, Saturated Vapour

# Product Specifications



| Label No | Part            | Material          |
|----------|-----------------|-------------------|
| 1        | Body            | Brass             |
| 2        | Body            | Brass             |
| 3        | Valve Ball      | Brass Hard Chrome |
| 4        | Valve Stem      | Brass             |
| 5        | Ball Seal       | PTFE              |
| 6        | Gland Nut       | Brass             |
| 7        | Stem Seal       | PTFR              |
| 8        | Lock Nut        | Stainless Steel   |
| 9        | Handle          | Stainless Steel   |
| 10       | Compression Nut | Brass             |
| 11       | O-Ring          | NBR               |
| 12       | Split Ring      | Brass             |



# PAP Non Return Valve

Compression Type End Connection Non Return Valve for (PE-Al-PE) Composite Pressure Pipes.



## Sizes

| Size  | Suitable For        | ■  | ■■■■ |
|-------|---------------------|----|------|
| 20×20 | 1620 Composite Pipe | 10 | 80   |
| 25×25 | 2025 Composite Pipe | 15 | 90   |
| 32×32 | 2532 Composite Pipe | 6  | 36   |

## Operating Conditions

Pressure

1.6 MPa

Temperature

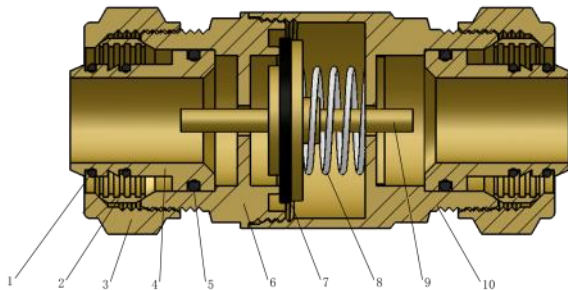
-20° to 110°C

Medium

Water, Non Corrosive Liquid

Saturated Vapour

# Product Specifications



| Label No | Part            | Material        |
|----------|-----------------|-----------------|
| 1        | O-Ring          | NBR             |
| 2        | Split Ring      | Brass           |
| 3        | Compression Nut | Brass           |
| 4        | Insert          | Brass           |
| 5        | Rubber seal     | NBR             |
| 6        | Body            | Brass           |
| 7        | Disc            | Brass           |
| 8        | Spring          | Stainless Steel |
| 9        | Disc Axis       | Brass           |
| 10       | Body            | Brass           |



# PAP OHT Nipple

Compression Type End Connection Overhead Tank Nipple for (PE-Al-PE) Composite Pressure Pipes.

## Sizes

| Size     | Suitable For        | ■  | ■■■■ |
|----------|---------------------|----|------|
| 20×0.75" | 1620 Composite Pipe | 20 | 120  |
| 25×1.00" | 2025 Composite Pipe | 8  | 80   |
| 32×1.25" | 2532 Composite Pipe | 6  | 48   |
| 40×1.50" | 3240 Composite Pipe | 6  | 36   |

## Operating Conditions

Pressure

1.6 MPa

Temperature

-20° to 110°C

Medium

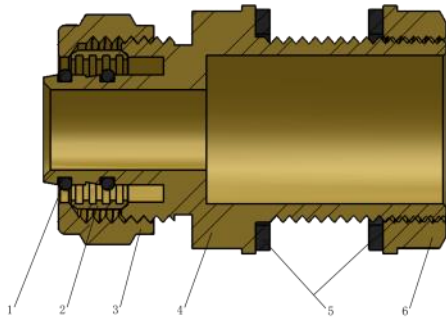
Water, Compressed Air / Vacuum

Non Corrosive Liquid, Saturated Vapour





# Product Specifications



| Label No | Part            | Material |
|----------|-----------------|----------|
| 1        | O-Ring          | NBR      |
| 2        | Split Ring      | Brass    |
| 3        | Compression Nut | Brass    |
| 4        | Body            | Brass    |
| 5        | Rubber Gasket   | NBR      |
| 6        | Nut             | Brass    |



# Gas Ball Valve

Manually operated gas ball valves for gas piping installations.



Male Thread



Male Thread Double Swing

## Sizes

| Size        | Thread                   | ■  | ■■■■■ |
|-------------|--------------------------|----|-------|
| 1/2"x8.0 mm | Male Thread              | 10 | 150   |
| 1/2"x8.0 mm | Female Thread            | 10 | 120   |
| 1/2"x8.0 mm | Male Thread Double Swing | 10 | 100   |
| 1/2"x1/2"   | Male—Female Thread       | 12 | 120   |

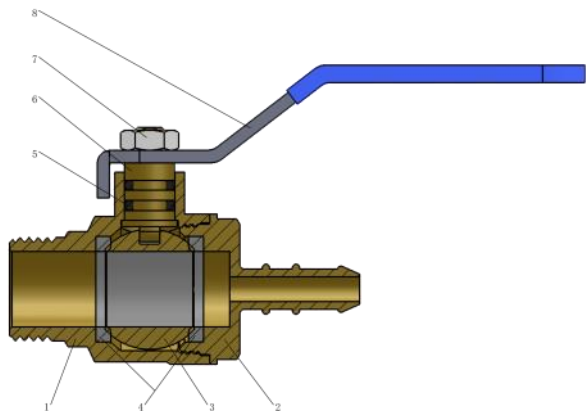


Female Thread



Male/Female Thread

# Product Specifications



| Label No | Part       | Material          |
|----------|------------|-------------------|
| 1        | Body       | Brass             |
| 2        | Body       | Brass             |
| 3        | Valve Ball | Brass Hard Chrome |
| 4        | Ball Seal  | PTFE              |
| 5        | Stem Seal  | PTFR              |
| 6        | Valve Stem | Brass             |
| 7        | Lock Nut   | Stainless Steel   |
| 8        | Handle     | Stainless Steel   |



# PAP Quarter Turn Conceal Valve

Compression Type End Connection Quarter Turn Conceal Valve for (PE-Al-PE) Composite Pressure Pipes.



## Sizes

| Size  | Suitable For        | ■ | ■■■■ |
|-------|---------------------|---|------|
| 20×20 | 1620 Composite Pipe | 1 | 42   |

## Operating Conditions

Pressure

1.6 MPa

Temperature

-20° to 110°C

Medium

Water, Non Corrosive Liquid

Saturated Vapour



# PAP Ferrule Valve

Compression Type End Connection Ferrule Valve for (PE-Al-PE) Composite Pressure Pipes.

## Sizes

| Size    | Suitable For        | ■  | ■ ■ |
|---------|---------------------|----|-----|
| 16×0.5" | 1216 Composite Pipe | 10 | 100 |
| 20×0.5" | 1620 Composite Pipe | 6  | 60  |

## Operating Conditions

Pressure

1.6 MPa

Temperature

-20° to 110°C

Medium

Water, Non Corrosive Liquid

Saturated Vapour

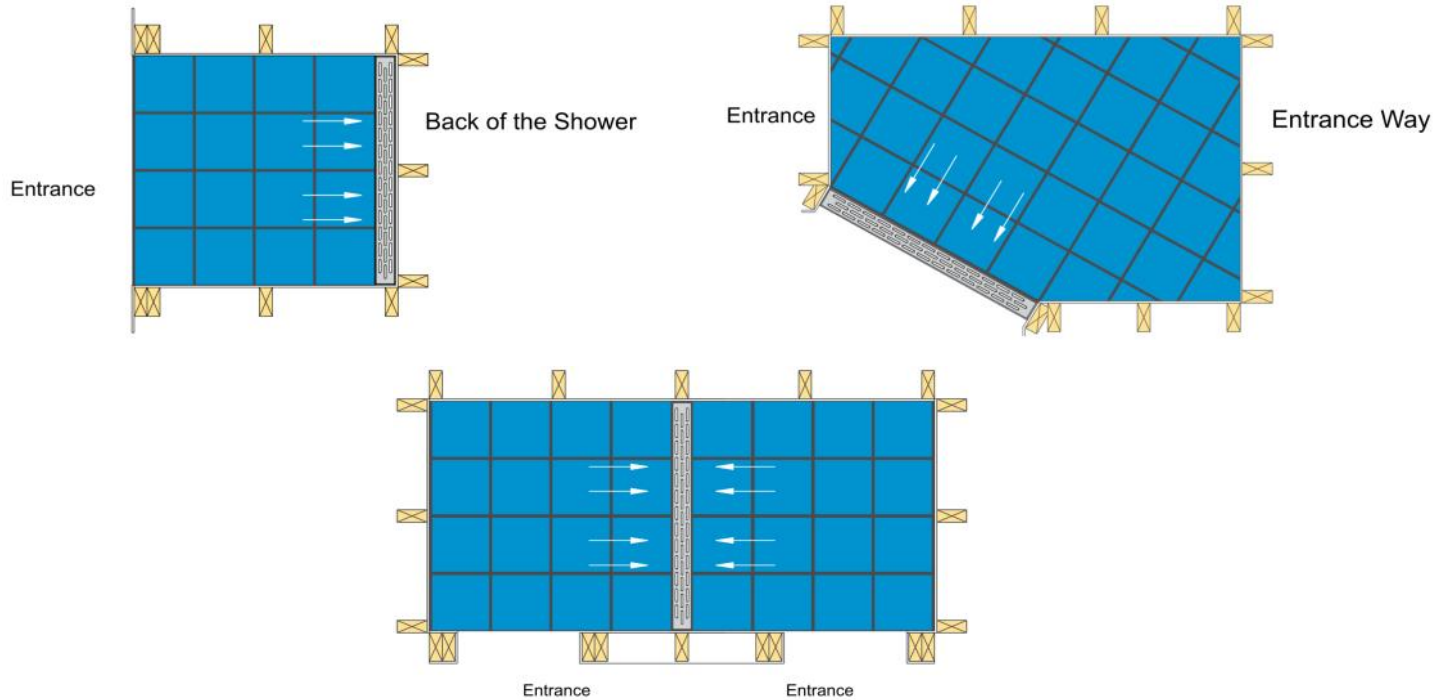




# Shower Drains

Discover how easy it can be to create a barrier-free shower enclosure that delivers reliable performance and architectural design. The \_\_\_ eliminates the need to slope the finished flooring in multiple directions, allowing drainage of a substantially larger floor surface area than traditional shower drains. Instead, pitch the floor in one direction towards the linear shower drain, and finish the job in record time. A beautiful installation has never been so simple.

# Typical Drain Placement





**Available in**  
600mm, 800mm, 1000mm, 1200mm



Linear



Square



SS-Model



Weave



Fork



Stream







# Customization and Adjustability

## Engineering and Specification

ZS880 All Type 304 (CF8) Fabricated Stainless Steel Linear Shower Drain. Complete with vertically adjustable anchoring support legs, anti-ponding V-shaped channel with 2 [51] No-Hub center outlet, adjustable secured leveling frame with built in-tile edge, and secured, light-duty, slotted heel-proof grate. Drain is designed for installation in a minimum 2[51] concrete pour and can be adjusted to accommodate 1/4[6] and 3/8[10] finished tile thicknesses.

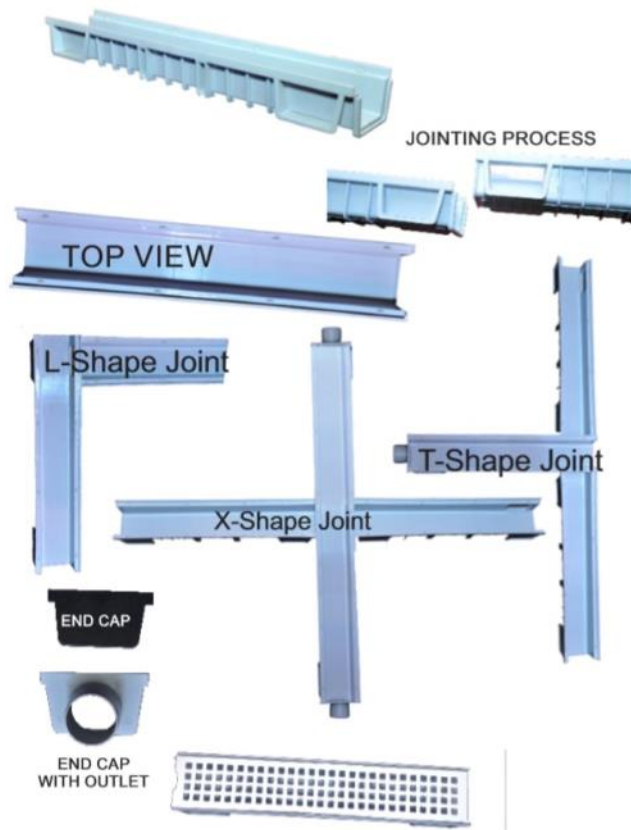


# Customization and Adjustability

| Dimensions in Inches (mm) |                  |   |                  |  |             |            |
|---------------------------|------------------|---|------------------|--|-------------|------------|
| Product Designation       | Drain A          |  | Drain B          |  | Open Area % | Grate Code |
| Linear Grate              | 600-1000 mm (63) |   | 600-1000 mm (63) |  | 45          | LI         |
| Square Grate              | 600-1000 mm (63) |   | 600-1000 mm (63) |  | 50          | SQ         |
| Décor Grate               | 600-1000 mm (63) |   | 600-1000 mm (63) |  | 45          | DE         |
| Sieve Grate               | 600-1000 mm (63) |   | 600-1000 mm (63) |  | 54          | SE         |
| Weave Grate               | 600-1000 mm (63) |   | 600-1000 mm (63) |  | 48          | WE         |
| Wave Grate                | 600-1000 mm (63) |   | 600-1000 mm (63) |  | 47          | WA         |
| Fork Grate                | 600-1000 mm (63) |   | 600-1000 mm (63) |  | 42          | FO         |
| Chequered Grate           | 600-1000 mm (63) |   | 600-1000 mm (63) |  | 40          | CH         |
| Tile Insert Grate         | 600-1000 mm (63) |   | 600-1000 mm (63) |  | 20          | TI         |
| SS Top Grate              | 600-1000 mm (63) |   | 600-1000 mm (63) |  | 20          | SS         |
| Stream Grate              | 600-1000 mm (63) |   | 600-1000 mm (63) |  | 35          | ST         |

## Innovative

- Patent Pending frame and grate features allow effortless height and level adjustment, reducing pooling.
- Barrier-free installation creates accessibility and freedom in applications requiring ADA compliance.
- Performance engineered channel promotes superior water evacuation.






*Dreams do come true...*

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