INSAFOAM

INSAFOAM
INSULATION



PRE-INSULATED PIPES

Where Cooling Demands Meet Core Solutions

OUR MISSION



Together with our clients, we strive to shape the future of efficient and sustainable Cooling System in Malaysia

At Insafoam Insulation, our mission is to deliver high-quality, innovative pre-insulated pipe solutions that enhance energy efficiency and performance in cooling systems across Asia Pacific. Since our founded in 1992, we have built a legacy of reliability, technical excellence, and strong partnerships with our clients.

We are committed to:
Providing superior insulation solutions that optimize thermal performance and durability, supporting our partners with expert technical guidance and customized system designs, driving industry advancement through continuous innovation and sustainable practices and strengthening trust by maintaining the highest standards in product quality and service.

Your trusted partner for certified, high-quality pre-insulated piping systems.

ISO 9001:2015 certification reflects a commitment to quality and compliance, ensuring reliable, high-performance pre-insulated piping solutions for HVAC and chilled water systems

With SIRIM certification, our piping solutions meet the highest standards of safety, performance, and durability. Giving regulators, contractors, and end-users confidence in every application from plumbing and fire protection to HVAC and industrial systems.

Our FM Approved pre-insulated piping systems are rigorously tested to meet the highest standards of fire safety, durability, and loss prevention. Delivering trusted reliability for consultants, contractors, and end-users in demanding HVAC environments.

With CIDB certification, we demonstrate our commitment to compliance, professionalism, and industry standards. Giving clients confidence that our PU spray foam insulation works are carried out with certified quality and reliability

Your One-Stop Partner for

Complete Cooling System Solutions



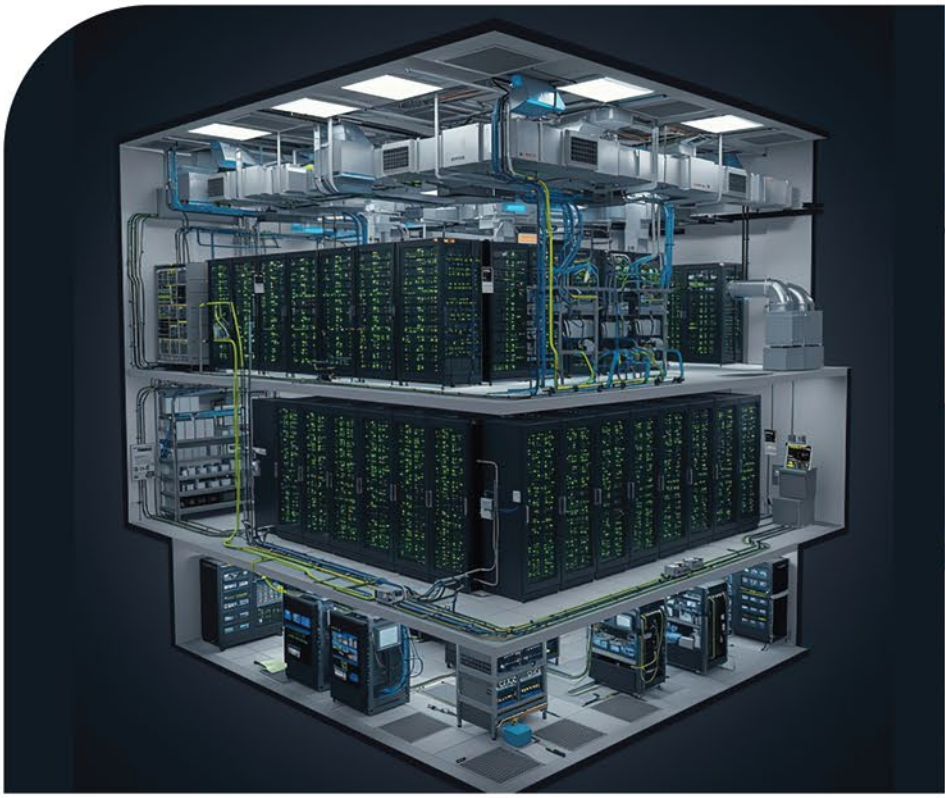
Commercial Building
HVAC Application

Comfort and Efficiency at Scale

In commercial buildings, comfort cooling systems must perform efficiently 24/7. Insafoam pre-insulated pipes offer superior thermal performance for chilled water and HVAC distribution networks. With excellent insulation performance to preserve energy, condensation control and a long service life, our systems help reduce operational costs, enhance building sustainability, and ensure indoor comfort.

Cooling the Cloud

Data center require robust, high-performance cooling systems to protect critical IT infrastructure. Insafoam pre-insulated pipes ensure consistent chilled water delivery with zero condensation, helping reduce power usage efficiency (PUE) and maximize uptime. Our compact, reliable systems are trusted by facility managers to keep operations cool, efficient, and resilient.



Data Center
IT Cooling Application

Precision Cooling for Critical Processes

In industrial environments where every degree matters, Insafoam pre-insulated pipes deliver dependable thermal control for chilled water and process cooling. Whether in semiconductor fabrication or beverage processing, our systems resist moisture, and microbial growth—ensuring hygiene, efficiency, and uninterrupted operations.



Industrial Plant
Process Cooling Application



Commercial Building
VRV / VRF Application

Optimized for Efficiency and Longevity

VRV/VRF systems using a copper refrigerant pipe core, rigid polyurethane (PU) foam insulation, and a galvanized steel outer jacket. This system combines superior thermal efficiency with exceptional mechanical strength to ensures minimal energy loss while eliminating condensation, even in humid environments. The galvanized steel jacketing offers robust protection against weather, impact, and fire – delivering a clean and professional finish that lasts.

The Outer Strength of Every Pipe

Safety Indoors. Durability Outdoors

At Insafoam Insulation, we believe that true performance goes beyond insulation — it's about protection that lasts. The outer jacket of a pre-insulated pipe plays a vital role in shielding the polyurethane insulation, ensuring long-term safety, durability, and reliability across every application. That's why we offer two specialized jacket solutions: Steel & HDPE Jacket.

With Insafoam jackets, your pre-insulated pipes are not only thermally efficient but also safeguarded by the right layer of strength — whether inside buildings or in the toughest outdoor settings.

Steel Jacket - Engineered for indoor installations where fire safety is non-negotiable. The steel jacket forms a robust outer barrier, achieving BOMBA's 2-hour fire rating and ensuring full compliance with building requirements. Available in Galvanized Steel, Aluminium, and Stainless Steel, each option delivers proven strength and protection tailored to project needs.





HDPE Jacket - Designed for underground and external pipelines, HDPE jackets provide superior protection against corrosion, impact, and harsh environments. Insafoam offers two advanced methods to meet different project needs — Extruded and Wrapping.



Extruded



Wrapping

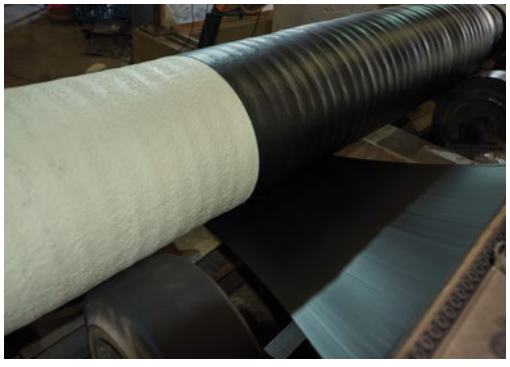
Advanced Spray Foam & HDPE Wrapping Technology

HDPE wrapping with the precision of polyurethane spray insulation. The PU foam is sprayed directly onto the carrier pipe, forming a seamless insulation layer. The HDPE sheet is then wrapped around the foam and heat-sealed, providing a strong, customizable jacket system.



PU Spray foam Benefits:

- **Superior Quality Control** – Seamless insulation with no gaps or weak spots, ensuring energy efficiency and condensation prevention.
- **Easy to Inspect & Repair** – Visual checks without dismantling; quick re-spray repairs with minimal downtime.
- **Adjustable Thickness** – Flexible spray application allows both thin coatings for tight spaces and thick layers for maximum protection.



HDPE Wrapping Benefits:

- **Customizable Jacket Thickness** – Ultra-thin jackets possible (down to 4 mm), reducing weight and material usage.
- **Flexible Insulation Thickness** – No costly moulds required; can wrap any thickness to suit project needs.
- **Secure End Seal Protection** – Strong sealing prevents water or air ingress, safeguarding PU foam for long-term durability.

Complete Pre-Insulated Piping Solutions for Cooling Systems

Engineered Systems for Efficient Thermal Distribution

To complement our pre-insulated piping systems, we offer a complete range of fittings and bare steel pipes through carefully selected strategic partners. This ensures full compatibility, consistent quality, and seamless integration across the entire piping system. Our engineered solutions are tailored to meet specific project requirements, delivering reliable performance, simplified installation, and long-term operational efficiency. Backed by technical expertise and responsive support, we provide customers with the confidence and convenience of a complete, end-to-end piping solution.

Sustainability & Environmental Benefits

Engineered for both performance and sustainability, our rigid polyurethane insulation delivers exceptional thermal efficiency while minimizing environmental impact. The insulation is CFC- and HCFC-free, non-fibrous, and produced using an environmentally responsible blowing agent with Zero Ozone Depletion Potential (ODP) and Low Global Warming Potential (GWP). Its superior insulating performance reduces heat transfer, helping to lower energy consumption, optimize cooling system efficiency, and decrease operating costs. These benefits contribute to more sustainable building designs while ensuring reliable, long-lasting performance.

INSAFOAM **STEEL** series



INSAFOAM **HDPE** series



INSAFOAM **Copper** series



INSAFOAM **STEEL** series



Products Description: **Pre-insulated steel carrier pipe with steel jacket**

General Specification:

Carrier pipe Standard & Type:

a) Carrier Pipe Size 15mm – 150mm
   i. BS 1387 / EN 10255:2004 - Class B
   ii. BS 1387 / EN 10255:2004 - Class C
   iii. API 5L GR.B - Seamless
   iv. API 5L GR.B - ERW

b) Carrier Pipe Size 200mm – 350mm
   i. JIS G3452
   ii. API 5L GR.B – Seamless
   iii. API 5L GR.B - ERW

c) Carrier Pipe Size 400mm – 600mm
   i. API 5L GR.B – Seamless
   ii. API 5L GR.B – ERW 7.9mm

d) Carrier Pipe Size 650mm – 900mm
   i. API 5L GR.B – LSAW
   ii. API 5L GR.B – SSAW

Carrier pipe finishing:

a) Black steel
b) Hot Dip Galvanized

Outer Jacket Material:

a) Galvanized Steel
b) Aluminium
c) Stainless Steel

Outer Jacket Type:

a) Internal Lockseam
b) External Lockseam

Insulator material:

Polyurethane foam (PU)

Insulation Method:

Injection

Technical Data (Pre-insulated steel carrier pipe with steel jacket)

Carrier pipe	Jacket size	Insulation thickness (*)	Jacket thickness	Weight (*)	
Norminal Size (mm)	Min (mm) or Max (mm)	Min (mm) or Max (mm)	Min (mm) or Max (mm)	pipe only (Kg/6m)	with water (Kg/6m)
15	80 / 100	29 / 39	0.4 / 0.6	17.5	18.5
20	100 / 115	36 / 44	0.4 / 0.6	22.0	23.8
25	100 / 115	33 / 40	0.4 / 0.6	26.7	29.6
32	115 / 125	36 / 41	0.4 / 0.6	33.3	38.2
40	125 / 135	38 / 43	0.4 / 0.6	38.5	46.0
50	135 / 142	37 / 41	0.4 / 0.6	47.3	59.1
65	150 / 160	37 / 42	0.4 / 0.6	69.2	89.1
80	160 / 178	35 / 44	0.4 / 0.6	87.2	117.3
100	200 / 228	43 / 57	0.4 / 0.6	123.3	170.4
125	228 / 250	44 / 55	0.4 / 0.6	161.2	234.9
150	250 / 279	42 / 56	0.4 / 0.6	203.1	309.1
200	320 / 355	52 / 69	0.5 / 0.8	303.0	491.5
250	381 / 400	57 / 66	0.5 / 0.8	415.4	709.9
300	431 / 450	56 / 66	0.5 / 0.8	501.3	925.4
350	458 / 508	51 / 76	0.5 / 0.8	567.0	1,144.3
400	508 / 560	51 / 77	0.6 / 0.8	647.6	1,401.6
450	560 / 610	51 / 76	0.6 / 0.8	738.0	1,692.3
500	610 / 660	51 / 76	0.6 / 0.8	702.7	1,880.9
550	660 / 711	51 / 76	0.6 / 0.8	771.9	2,197.6
600	711 / 762	51 / 76	0.6 / 0.8	841.1	2,537.8
650	762 / 812	51 / 76	0.6 / 0.8	1,061.1	3,052.3
700	812 / 863	51 / 76	0.6 / 0.8	1,142.4	3,451.8
750	863 / 914	51 / 76	0.6 / 0.8	1,256.2	3,907.2
800	914 / 965	51 / 76	0.6 / 1	1,339.3	4,355.6
850	965 / 1016	51 / 76	0.6 / 1	1,468.8	5,286.3
900	1016 / 1066	51 / 76	0.6 / 1	1,594.4	6,307.4
950	1066 / 1117	51 / 76	0.6 / 1	1,795.0	8,581.7

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(*) Thickness indicative; subject to pipe standard.

INSAFOAM **STEEL** series



Products Description: **Pre-insulated steel pipe with extruded HDPE jacket**

General Specification:

Carbon Steel Pipe Standard & Type

a) Carrier Pipe Size 25mm – 150mm:
   i. BS 1387 / EN 10255:2004 - Class B
   ii. BS 1387 / EN 10255:2004 - Class C
   iii. API 5L GR.B – Seamless
   iv. API 5L GR.B – ERW

b) Carrier Pipe Size 200mm – 350mm
   i. JIS G3452
   ii. API 5L GR.B – Seamless
   iii. API 5L GR.B – ERW

c) Carrier Pipe Size 400mm – 600mm
   i. API 5L GR.B – Seamless
   ii. API 5L GR.B – ERW 7.9mm

Carrier pipe finishing:

a) Black steel
b) Hot Dip Galvanized

Outer Jacket Material:

High Density Polyethylene (HDPE)

Outer HDPE Jacket Type:

Extrusion (25mm – 450mm)

Insulator Material:

Polyurethane foam (PU)

Insulation Method:

Injection (25mm – 450mm)

Technical Data (Pre-insulated steel pipe with extruded HDPE jacket)

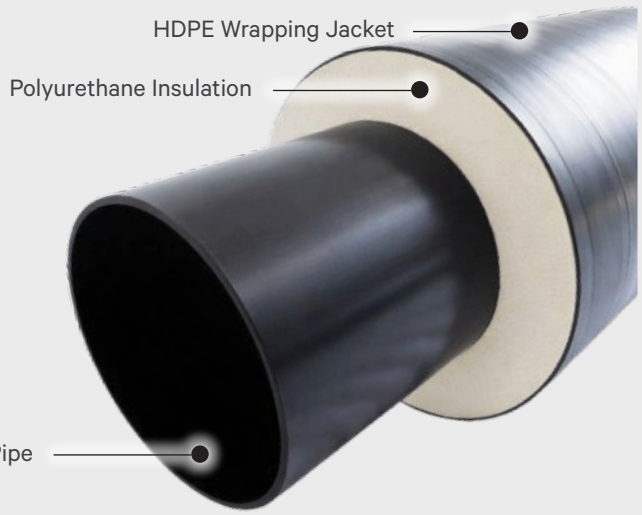
Carrier pipe	Jacket size			Insulation thickness (*)			Jacket thickness			Weight (*)	
Norminal Size (mm)	Min (mm)	or	Max (mm)	Min (mm)	or	Max (mm)	Min (mm)	or	Max (mm)	pipe only (Kg/6m)	with water (Kg/6m)
25	140	/	160	49	OR	59	3.5		3.5	34.9	37.9
32	140	/	160	45	OR	55	3.5		3.5	39.9	44.7
40	140	/	160	42	OR	52	3.5		3.5	43.2	50.8
50	160	/	180	46	OR	56	3.5		3.5	55.7	67.5
65	180	/	200	48	OR	58	3.5	/	3.7	69.0	88.9
80	180	/	200	42	OR	52	3.5	/	3.7	85.2	115.3
100	200	/	225	39	OR	51	3.7	/	4.0	115.0	162.2
125	225	/	250	38	OR	51	4.0	/	4.0	138.9	212.5
150	250	/	280	38	OR	52	4.0	/	4.5	166.6	272.7
200	315	/	355	45	OR	64	4.5	/	5.5	240.0	428.5
250	355	/	400	38	OR	61	5.5	/	5.5	321.2	615.8
300	400	/	450	35	OR	59	5.5	/	6.5	402.4	826.5
350	450	/	500	41	OR	66	6.5	/	6.5	503.0	1,080.4
400	500	/	560	40	OR	70	6.5	/	6.5	576.9	1,331.0
450	560	/	630	45	OR	79	6.5	/	7.5	668.2	1,622.6

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(*) Thickness indicative; subject to pipe standard.

INSAFOAM **STEEL** series





Products Description: **Pre-insulated steel pipe with HDPE wrapping jacket**

General Specification:

Carbon Steel Pipe Standard, Grade & Type

a) Carrier Pipe Size 250mm – 350mm:
   i. JIS G3452
   ii. API 5L GR.B – Seamless
   iii. API 5L GR.B – ERW

b) Carrier Pipe Size 400mm – 600mm:
   i. API 5L GR.B – Seamless
   ii. API 5L GR.B – ERW 7.9mm

c) Carrier Pipe Size 650mm – 1200mm:
   i. API 5L GR.B – LSAW
   ii. API 5L GR.B – SSAW

Carrier pipe finishing:

a) Black steel
b) Hot Dip Galvanized

Outer Jacket Material:

High Density Polyethylene (HDPE)

Outer HDPE Jacket Type:

Wrapping (250mm – 1200mm)

Insulator Material:

Polyurethane foam (PU)

Insulation Method:

Spray (250mm – 1200mm)

Technical Data (Pre-insulated steel pipe with HDPE wrapping jacket)

Carrier pipe	Jacket size			Insulation thickness (*)			Jacket thickness			Weight (*)	
Norminal Size (mm)	Min (mm)	or	Max (mm)	Min (mm)	or	Max (mm)	Min (mm)	or	Max (mm)	pipe only (Kg/6m)	with water (Kg/6m)
250	377	/	427	50	/	75	5	/	5	410.2	704.7
300	429	/	479	50	/	75	5	/	5	535.5	959.6
350	466	/	516	50	/	75	5	/	5	587.1	1,164.5
400	516	/	566	50	/	75	5	/	5	683.5	1,437.6
450	567	/	617	50	/	75	5	/	5	766.8	1,721.2
500	620	/	670	50	/	75	6	/	6	740.7	1,919.0
550	671	/	721	50	/	75	6	/	6	813.5	2,239.2
600	722	/	772	50	/	75	6	/	6	886.4	2,583.0
650	772	/	822	50	/	75	6	/	6	1,109.9	3,101.1
700	823	/	873	50	/	75	6	/	6	1,194.8	3,504.2
750	874	/	928	50	/	75	6	/	6	1,339.7	3,990.8
800	925	/	979	50	/	75	6	/	6	1,428.1	4,444.4
850	980	/	1030	50	/	75	8	/	8	1,516.5	4,921.7
900	1030	/	1080	50	/	75	8	/	8	1,603.2	5,420.7
950	1081	/	1131	50	/	75	8	/	8	1,734.6	5,988.0
1000	1132	/	1182	50	/	75	8	/	8	2,294.9	7,007.9
1050	1183	/	1233	50	/	75	8	/	8	2,408.8	7,604.9
1100	1234	/	1284	50	/	75	8	/	8	2,522.7	8,225.4
1150	1284	/	1334	50	/	75	8	/	8	2,634.4	8,867.3
1200	1335	/	1385	50	/	75	8	/	8	2,748.3	9,535.0

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(*) Thickness indicative; subject to pipe standard.

Your One-Stop Source for Steel Pipe Fittings

At Insafoam, we go beyond manufacturing pre-insulated pipes—we deliver complete system solutions. Through our strategic partnerships with established manufacturers, we offer a comprehensive range of high-quality steel pipe fittings designed to meet the demands of HVAC and industrial piping projects.

Our fittings are built for strength, precision, and durability, ensuring every connection is secure and reliable. From elbows and tees to reducers and flanges, we provide all the essential configurations to keep your system running flawlessly.

Available in three material options, our fittings cater to diverse project requirements:

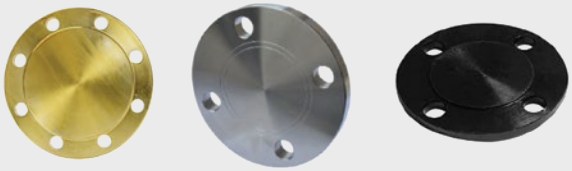
- **Galvanized Steel** – dependable corrosion resistance for everyday applications
- **Black Steel** – the go-to choice for HVAC and fire protection systems
- **Stainless Steel** – unmatched performance in high-corrosion and hygienic environments

With consistent quality, industry-standard compliance, and the backing of our trusted manufacturing partners, Insafoam gives contractors and system integrators the confidence of a one-stop solution—pipes and fittings that work seamlessly together for long-term performance.



Steel Welding Neck Flange Model:

- Standard: ANSI / EN / DIN / JIS / BS
- Steel Type: Mild / Galvanized / SUS-304/316
- Size range: 15mm – 1200mm



Steel Blind Flange Model:

- Standard: ANSI / EN / DIN / JIS / BS
- Steel Type: Mild / Galvanized / SUS-304/316
- Size range: 15mm – 1200mm



Steel Elbow 90° Model:

- Standard: ASME / ANSI B16.9
- Steel Type: Mild / Galvanized / SUS-304/316
- Radius: Long / Short
- Size range: 15mm – 1200mm



Steel Elbow 45° Model:

- Standard: ASME / ANSI B16.9
- Steel Type: Mild / Galvanized / SUS-304/316
- Radius: Long / Short
- Size range: 15mm – 1200mm



Steel Elbow 180° Model:

- Standard: ASME / ANSI B16.9
- Steel Type: Mild / Galvanized / SUS-304/316
- Radius: Long / Short
- Size range: 15mm – 1200mm



Steel Equal Tee Model:

- Standard: ASME / ANSI B16.9
- Steel Type: Mild / Galvanized / SUS-304/316
- Size range: 15mm – 900mm



Steel Reducing Tee Model:

- Standard: ASME / ANSI B16.9
- Steel Type: Mild / Galvanized / SUS-304/316
- Size range: 20x15mm – 900x400mm



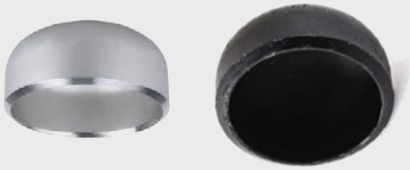
Steel Reducer Concentric Model:

- Standard: ASME / ANSI B16.9
- Steel Type: Mild / Galvanized / SUS-304/316
- Size range: 20x15mm – 900x700mm



Steel Reducer Eccentric Model:

- Standard: ASME / ANSI B16.9
- Steel Type: Mild / Galvanized / SUS-304/316
- Size range: 20x15mm – 900x700mm



Steel End Cap Model:

- Standard: ASME / ANSI B16.9
- Steel Type: Mild / Galvanized / SUS-304/316
- Size range: 15mm – 900mm

Fast, Safe & Reliable Grooved Fitting Solutions

Insafoam complement our pre-insulated pipe systems with a full range of grooved fittings, providing contractors with a safer, faster, and more flexible way to connect steel pipes. Designed as a mechanical coupling solution, our grooved fittings eliminate the need for hot welding, enhancing on-site safety while significantly reducing installation time.
Made from high-quality cast iron and fully compliant with ASTM standards, these fittings deliver proven durability and performance in demanding HVAC environments.

Key Benefits:

- **Flame-Free Installation** – safer for indoor HVAC applications
- **Fast & Efficient Assembly** – shortens project timelines
- **Easy Maintenance & Expansion** – simplifies future system modifications
- **Vibration Dampening** – protects overall system integrity
- **ASTM-Compliant** – guaranteed quality and long-term reliability

With Insafoam grooved fitting solutions, contractors gain a smarter alternative to traditional welding—ensuring safe, efficient, and future-ready installations.



Rigid Coupling
25mm – 600mm



Flexible Coupling
25mm – 1200mm



Angle Pad Coupling
25mm – 400mm



Reducing Coupling
40x32mm – 200x150mm



Elbow 90°
50mm – 600mm



Elbow 45°
50mm – 400mm



Elbow 22.5°
25mm – 300mm



Elbow 11.25°
25mm – 300mm



Reducing Elbow 90° Grooved - Thread
32x15mm – 65x25mm



Equal Tee
50mm – 400mm



Grooved Reducing Tee
50x32mm – 400x350mm



Threaded Reducing Tee
50x25mm – 200x100mm



Equal Cross
25mm – 600mm



Grooved Reducing Cross
65x32mm – 200x150mm



Threaded Reducing Cross
50x25mm – 200x100mm



Grooved Concentric Reducer
40x32mm – 400x350mm



Threaded Concentric Reducer
350x25mm – 200x100mm



Small Mechanical Tee
25x15mm – 65x25mm



Threaded Outlet Mechanical Tee
50x15mm – 200x100mm



Grooved Outlet Mechanical Tee
50x25mm – 200x100mm



Grooved Pipe Flange
50mm - 400mm



Grooved Flange Adaptor
50mm – 450mm



End Cap
25mm – 600mm



End Cap with Concentric Hole
50x25mm – 200x50mm



Grooving Machine
50mm – 300mm

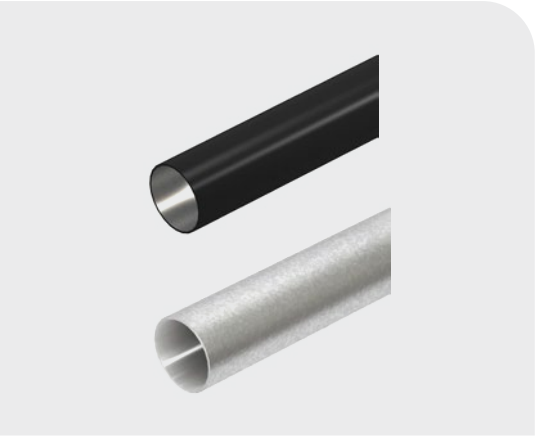


Grooving Machine
200mm – 600mm

Reliable Bare Steel Pipe for Complete Piping Systems

Insafoam supplies bare steel pipe for HVAC systems, primarily used in condenser water loops and make-up water lines where insulation isn't required. Available in black steel, galvanized steel, and stainless steel, our pipes provide flexibility to match different project needs for corrosion resistance, budget, and site conditions.

With strong manufacturing partnerships and strategic stock availability, Insafoam ensures fast, reliable delivery—making our steel pipe the trusted choice for durability, compatibility, and long-term performance.



Bare Steel Pipe Standard & Type

a) Bare Pipe Size 15mm – 150mm
   i. EN 10255:2004 - Class B
   ii. EN 10255:2004 - Class C
   iii. API 5L GR.B – Seamless (Schedule 20 / STD / 40 / XS)
   iv. API 5L GR.B – ERW (Schedule 20 / STD / 40 / XS)

b) Bare Pipe Size 200mm – 350mm
   i. JIS G3452 SPG
   ii. API 5L GR.B – Seamless (Schedule 20 / STD / 40 / XS)
   iii. API 5L GR.B – ERW (Schedule 20 / STD / 40 / XS)

c) Bare Pipe Size 400mm – 600mm
   i. API 5L GR.B – Seamless (Schedule 20 / STD / 40 / XS)
   ii. API 5L GR.B – ERW (Schedule 20 / STD / 40 / XS)

d) Bare Pipe Size 650mm – 2000mm
   i. API 5L GR.B – LSAW (Schedule 20 / STD / 40 / XS)
   ii. API 5L GR.B – SSAW (Schedule 20 / STD / 40 / XS)

Carrier pipe finishing:

a) Black steel
b) Hot Dip Galvanized



Stainless Steel Pipe Model:

- Grade: SS304 / SS316
- Pipe standard & pipe range:
  a) Bare Pipe Size 10mm – 300mm
     i. ASTM A312 (Schedule 10S / 40S)

Technical Data (Bare Steel Pipe)

Norminal Size		EN10255 Class B		EN10255 Class C		JIS G 3452		Schedule 20		Schedule STD		Schedule 40		Schedule XS	
		Wall Thickness	Weight	Wall Thickness	Weight	Wall Thickness	Weight	Wall Thickness	Weight	Wall Thickness	Weight	Wall Thickness	Weight	Wall Thickness	Weight
Inch	mm	mm	kg/m	mm	kg/m	mm	kg/m	mm	kg/m	mm	kg/m	mm	kg/m	mm	kg/m
1/2	15	2.6	1.21	3.2	1.44	2.8	1.31			2.8	1.28	2.8	1.28	3.7	1.61
3/4	20	2.6	1.56	3.2	1.87	2.8	1.68			2.9	1.7	2.9	1.7	3.9	2.19
1	25	3.2	2.41	4	2.93	3.2	2.43			3.4	2.52	3.4	2.52	4.5	3.21
1 1/4	32	3.2	5	4	3.79	3.5	3.38			3.6	3.43	3.6	3.43	4.9	4.51
1 1/2	40	3.2	3.56	4	4.37	3.5	3.89			3.7	4.07	3.7	4.07	5.1	5.43
2	50	3.6	5.03	4.5	6.19	3.8	5.31			3.9	5.42	3.9	5.42	5.5	7.43
2 1/2	65	3.6	6.42	4.5	7.93	4.2	7.47			5.2	8.69	5.2	8.69	7	11.39
3	80	4	8.36	5	10.3	4.2	8.79			5.5	11.31	5.5	11.31	7.6	15.24
4	100	4.5	12.2	5.4	14.5	4.5	12.2			6	16.02	6	16.02	8.6	22.42
5	125	5	16.6	5.4	17.9	4.5	15			6.6	21.92	6.6	21.92	9.5	30.88
6	150	5	19.8	5.4	21.3	5	19.8	6.4		7.1	28.22	7.1	28.22	11	42.67
8	200					5.8	30.1	6.4	33.57	8.2	42.65	8.2	42.65	12.7	64.64
10	250					6.6	42.4	6.4	42.09	9.3	60.5	9.3	60.5	12.7	81.55
12	300					6.9	53	7.9	50.11	9.5	73.65	10.3	79.65	12.7	97.46
14	350					7.9	67.7	7.9	67.74	9.5	81.08	11.1	94.3	12.7	107.39
16	400					7.9	77.6	7.9	77.63	9.5	92.98	12.7	123.3	12.7	123.3
18	450					7.9	87.5	9.5	87.49	9.5	104.84	14.3	165.11	12.7	139.15
20	500							9.5	116.78	9.5	116.78	15.9	192.95	12.7	155.12
22	550							9.5	128.73	9.5	128.73	15.9	212.95	12.7	171.09
24	600							12.7	140.68	9.5	140.68	17.5	255.69	12.7	187.06
26	650							12.7	202.72	9.5	152.39	17.5	277.27	12.7	202.72
28	700							12.7	218.6	9.5	164.34	17.5	299.28	12.7	218.6
30	750							12.7	234.67	9.5	176.29	17.5	321.29	12.7	234.67
32	800							12.7	250.64	9.5	188.24	17.5	343.3	12.7	250.64
34	850							12.7	266.61	9.5	200.18	17.5	365.31	12.7	266.61
36	900							12.7	282.27	9.5	211.9	19.1	421.5	12.7	282.27

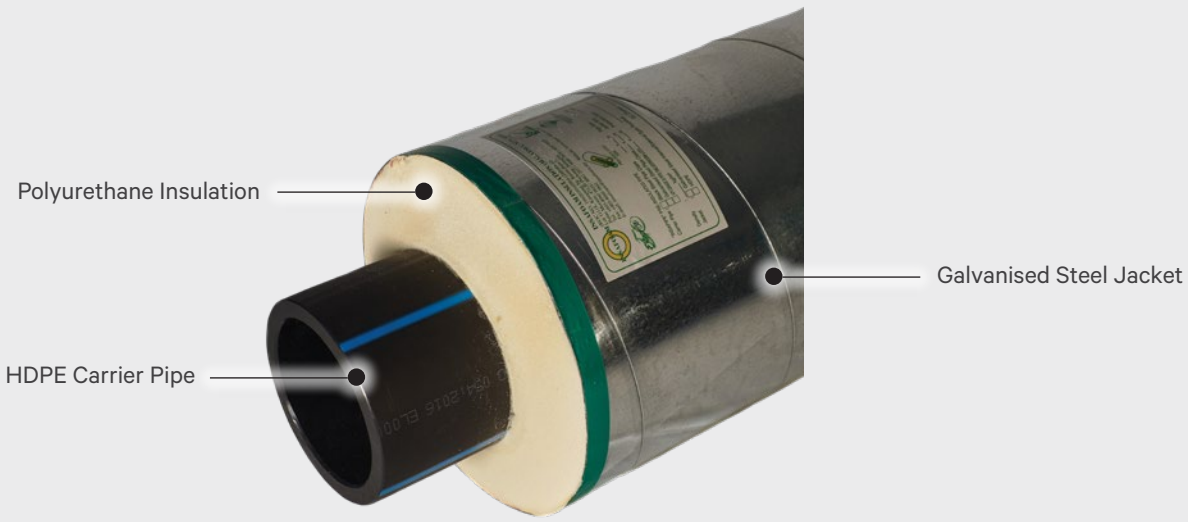
Technical Disclaimer:
All specifications shown are nominal values and are subject to the manufacturing tolerances specified in the applicable product standards. Technical specifications for pipe sizes **above DN900 (900 mm)** are available upon request. Please contact **Insafoam Insulation (M) Sdn Bhd** for detailed technical data and specifications.





INSAFOAM **HDPE** series

Corrosion-Free Innovation for HVAC Systems



Insafoam offers Pre-Insulated HDPE Pipe, an innovative alternative for HVAC applications where corrosion challenges affect chilled water quality. Designed for reliability and ease of installation, HDPE brings unique advantages:

- **Corrosion-Free** – unaffected by incrustation or fouling
- **Lightweight** – HDPE density 950 kg/m³ vs steel 7,850 kg/m³
- **Safe Installation** – no sparks or open flames during jointing

With these benefits, Pre-Insulated HDPE Pipe provides a practical, efficient option alongside our steel piping solutions—ensuring system integrity and long-term performance in demanding HVAC projects.

Products Description: **Pre-insulated HDPE pipe with steel jacket**

General Specification:

Carrier pipe Standard & Type:

a) MS1058: Part 2 – PE100 SDR11 PN16
b) MS1058: Part 2 – PE100 SDR17 PN10

Outer Jacket Material:

a) Galvanized Steel
b) Aluminium
c) Stainless Steel

Outer Jacket Type:

a) Internal Lockseam
b) External Lockseam

Insulator material:

Polyurethane foam (PU)

Insulation Method:

Injection

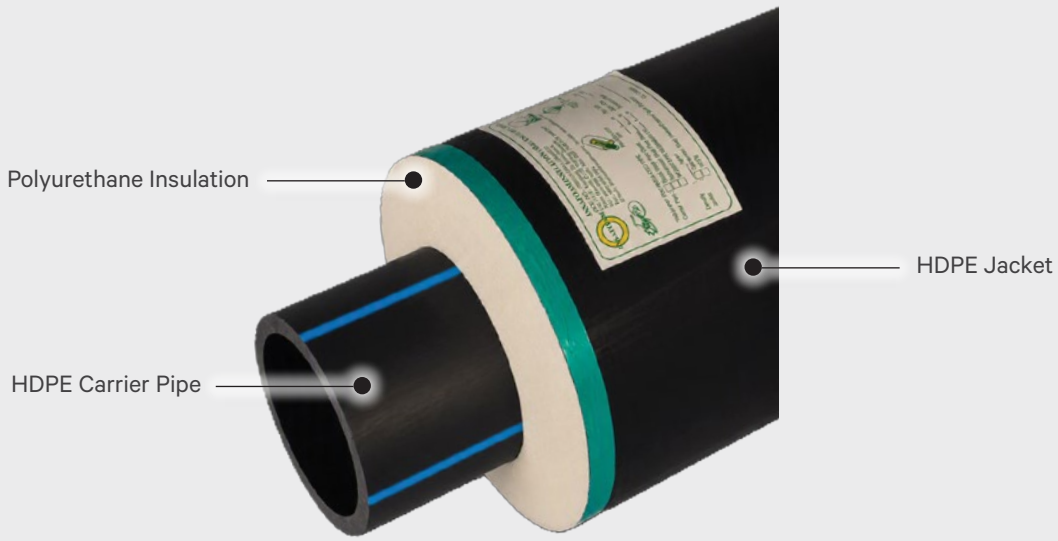
Technical Data (Pre-insulated HDPE Pipe with Steel Jacket)

Carrier Pipe size	SDR11 PN16	Jacket size	Insulation	Jacket wall thickness			Weight	
Outer diameter	Inner Diameter	Outer Diameter	PU Thickness	Min	or	Max	pipe only	with water
(mm)	(mm)	(mm)	(mm)	(mm)		(mm)	(kg/6m)	(kg/6m)
20	16.2	100	40	0.4	/	0.6	9.9	11.8
25	20.4	115	45	0.4	/	0.6	12.1	15
32	26.2	125	47	0.4	/	0.6	13.8	18.6
40	32.6	135	48	0.4	/	0.6	16	23.5
50	40.8	142	46	0.4	/	0.6	18.1	29.9
63	51.4	160	49	0.4	/	0.6	22.6	41.3
75	61.4	160	43	0.4	/	0.6	24.8	51.2
90	73.6	178	44	0.4	/	0.6	30.7	68.7
110	89.8	200	45	0.4	/	0.6	39.4	96.4
125	102.2	200	38	0.4	/	0.6	44.2	117.8
160	130.8	250	45	0.4	/	0.6	66.2	186.8
180	147.2	279	50	0.5	/	0.8	80.7	233.4
200	163.6	320	60	0.5	/	0.8	99.3	287.8
225	184	320	48	0.5	/	0.8	113.1	351.7
250	204.6	355	53	0.5	/	0.8	136.8	431.4
280	229.2	381	51	0.5	/	0.8	164	533.5
315	257.8	431	58	0.5	/	0.8	203.8	671.5
355	290.6	458	52	0.5	/	0.8	246.5	840.5
400	327.4	508	54	0.6	/	0.8	306.1	1060.2
450	368.2	560	55	0.6	/	0.8	378.7	1333.2
500	409.2	610	55	0.6	/	0.8	458	1636.3
560	458.4	660	50	0.6	/	0.8	559.3	2037.3
630	515.6	711	41	0.6	/	0.8	687.1	2557.7

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INSAFOAM **HDPE** series

Corrosion-Free Innovation for HVAC Systems



Products Description: **Pre-insulated HDPE pipe with HDPE jacket**

General Specification:

Carrier pipe Standard & Type:

a) MS1058: Part 2 – PE100 SDR11 PN16
b) MS1058: Part 2 – PE100 SDR17 PN10

Outer Jacket Material:

PE100 High Density Polyethylene

PE100 Jacket Type:

a) Internal Lockseam
b) External Lockseam

Insulator material:

Polyurethane foam (PU)

Insulation Method:

a) Injection
b) Spraying *only available for pipe size 710mm and above

Technical Data (Pre-insulated HDPE Pipe with HDPE jacket)

Carrier Pipe size	SDR11 PN16	Jacket size	Insulation	HDPE Jacket	Weight	
Outer diameter	Inner Diameter	Outer Diameter	PU Thickness	Wall thickness	pipe only	with water
(mm)	(mm)	(mm)	(mm)	(mm)	(kg/m)	(kg/m)
20	16.2	160	66.5	3.5	15.9	17.7
25	20.4	160	64.0	3.5	16.2	20
32	26.2	160	60.5	3.5	16.7	21.5
40	32.6	160	56.5	3.5	17.5	25.1
50	40.8	160	51.5	3.5	18.8	30.5
63	51.4	160	45.0	3.5	20.7	39.4
75	61.4	180	49.0	3.5	25.6	52.1
90	73.6	200	51.3	3.7	32.5	70.8
110	89.8	200	41.3	3.7	37.8	94.8
125	102.2	225	46.0	4.0	47.7	121.3
160	130.8	250	41.0	4.0	65.4	186.1
180	147.2	250	31.0	4.0	74.3	227.1
200	163.6	315	53.0	4.5	100.1	288.5
225	184	315	40.5	4.5	113.8	352.4
250	204.6	355	47.0	5.5	144.8	439.4
280	229.2	400	54.5	5.5	185.2	554.7
315	257.8	450	61.0	6.5	227.5	695.1
355	290.6	450	41.0	6.5	262.8	856.8
400	327.4	500	43.5	6.5	324.2	1078.2
450	368.2	560	48.5	6.5	400.5	1354.9
500	409.2	612	50.0	6.0	495.8	1674.1
560	458.4	672	50.0	6.0	603.3	2081.3
630	515.6	742	50.0	6.0	747.3	2617.9

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Bare HDPE Pipe

Corrosion-Free Confidence for Open-Loop Systems

HDPE is a durable, lightweight, and corrosion-free bare pipe solution designed as an alternative to traditional galvanized steel pipes. Made from high-density polyethylene, it is ideal for open-loop water systems, especially where corrosion resistance and ease of handling are key priorities. Unlike metal pipes, HDPE offers long-term performance without rust or scale build-up, making it a low-maintenance choice for HVAC, cooling tower make-up, or process water applications. Its lightweight nature also simplifies installation, reduces labor costs, and eliminates the need for heavy lifting equipment. For projects seeking a reliable, non-metallic piping system—HDPE delivers long-lasting value, especially in harsh or exposed environments where galvanized pipes may fail prematurely.



Bare HDPE Pipe Model:

- Material: Polyethylene Resin PE100
- Finishing: Black surface with blue strip / plain
- Pipe standard: EN12201-2 / MS1058 – 2
- Standard dimension ratio & Pressure Rating:
    - SDR 11 PN16 (16 Bar)
    - SDR 17 PN10 (10 Bar)
- Pipe range: 20mm – 630mm





HDPE Fittings

HDPE fittings system designed to complement our full range of HDPE piping products. Engineered for strength, reliability, and compatibility, HDPE ensures seamless integration across open-loop, internal, and underground HDPE pipe systems. Available in two jointing technologies—electrofusion and butt fusion—HDPE fittings offer flexibility to suit different site conditions, installation methods, and project specifications. Whether for concealed indoor lines or buried outdoor systems, HDPE delivers leak-free, long-lasting connections with proven performance in HVAC, cooling, and process water applications.

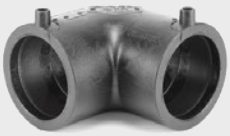
Electrofusion fittings overview



Coupler
20mm – 280mm



Coupler
315mm – 630mm



Elbow 90°
20mm – 250mm



Elbow 45°
20mm – 250mm



End Cap
20mm – 250mm



Reducer
20x32mm – 180x125mm



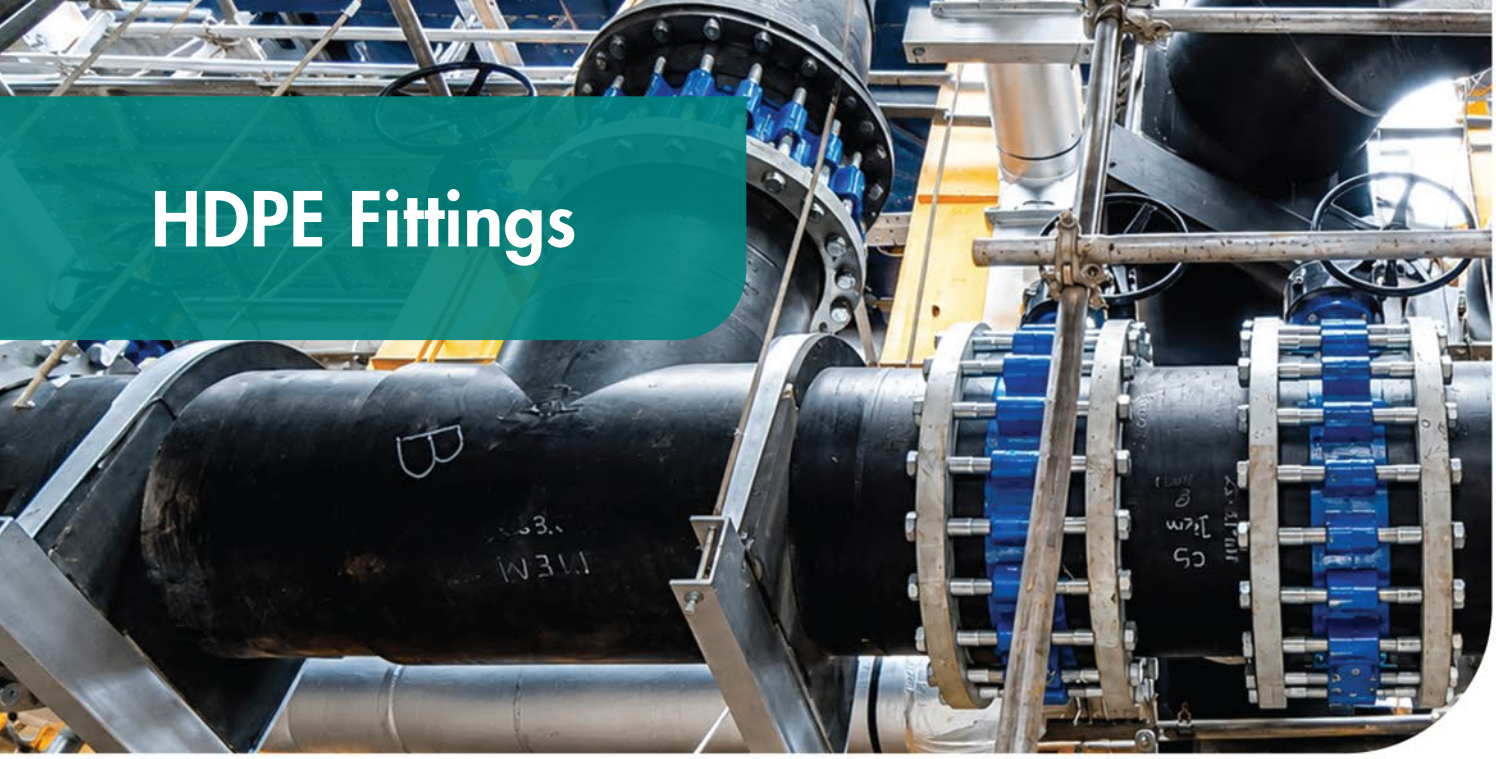
Equal Tee
20mm – 250mm



Reducer
25x20mm – 180x125mm

Table continued on the next page

HDPE Fittings





Tapping Tee Under Clamp
40x20mm – 225x63mm



Tapping Tee Stack Load
63x20mm – 450x63mm



Tapping Tee Under Strap
40x20mm – 180x32mm



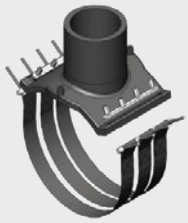
Transition Saddle Under Clamp
63mm x 1 ¼" – 250mm x 2"



Branch Saddle Under Clamp
63x40mm – 250x90mm



Branch Saddle Stack Load
250x63mm – 450x63mm



Branch Saddle Under Strap
315x160mm – 630x180mm

Long Spigot fittings overview



Elbow 90°
20mm – 630mm



Elbow 45°
20mm – 630mm



Equal Tee
20mm – 630mm



End Cap
20mm – 630mm





Reducing Tee
50x25mm – 630x250mm



Concentric Reducer
25x20mm – 630x560mm



Stub Flange Adaptor
20mm – 630mm



Polypropylene Flange
20mm – 630mm



Male Transition Adaptor (Brass)
20mm x ½" – 125mm x 4"



Female Transition Adaptor (Brass)
20mm x ½" – 125mm x 4"



Male Transition Adaptor (SS)
20mm x ½" – 63mm x 2"



Female Transition Adaptor (SS)
20mm x ½" – 63mm x 2"

Equipment and Ancillaries overview



Multi Scraper
20mm – 63mm



Uniprep Scraper
63mm – 710mm

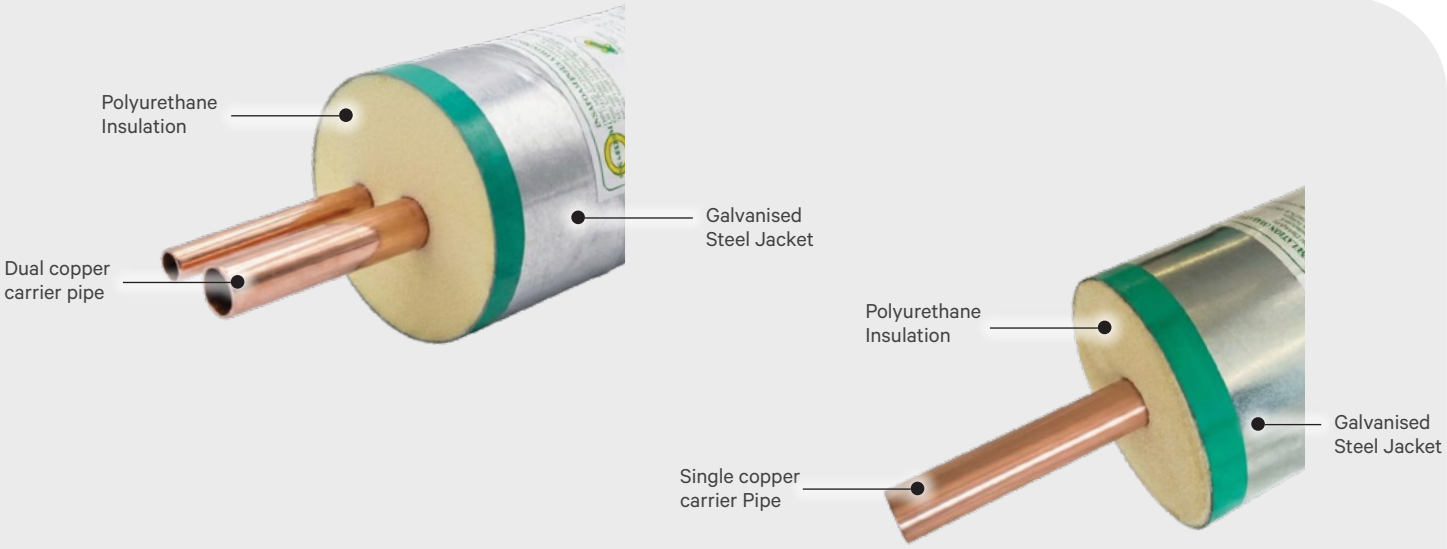


F60 Electrofusion Machine
20mm – 200mm



F90 Electrofusion Machine
20mm – 1000mm

INSAFOAM **COPPER** series



Pre-Insulated Dual Copper Pipe – VRV/VRF Systems
Specifically designed for VRV/VRF air-conditioning systems, the pre-insulated dual copper pipe integrates two copper pipes within a high-performance polyurethane foam insulation system. Compared with traditional Nitrile Rubber insulation, it provides enhanced mechanical protection, superior thermal performance and a cleaner, more consistent installation. The factory-controlled insulation process also helps ensure reliable insulation quality while significantly reducing installation time on site.

Pre-Insulated Single Copper Pipe – Hot Water Systems
Designed for hot water circulation and distribution systems, the pre-insulated single copper pipe provides an efficient and durable piping solution for applications such as hospitals, healthcare facilities, hotel and other buildings requiring reliable hot water services. The high-performance polyurethane foam insulation minimises heat loss, maintains water temperature and provides excellent mechanical protection, while factory-applied insulation reduces on-site installation work and supports faster, more consistent project execution.

Both systems are manufactured under controlled conditions to provide consistent insulation performance, reliable durability and a professional finish, making them suitable for demanding commercial and institutional applications.

Products Description: **Pre-insulated Copper Pipe with Steel Jacket**

General Specification:

Carrier pipe standard:

JIS H3300 (Equivalent to AS 1571:1985)

Carrier pipe type:

straight half hard

Pre-insulated pipe type:

a) Dual copper pipe
b) Single copper pipe

Insulation:

Polyurethane foam (PU) injection

Outer Jacket:

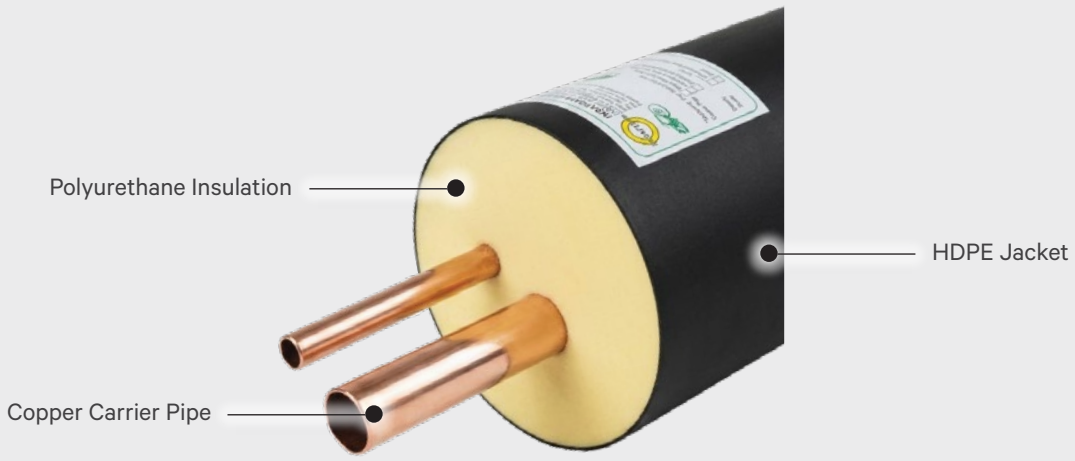
Galvanized steel coil with 0.4mm thickness

Technical Data (Pre-insulated Copper Pipe with steel jacket)

Suction pipe size		Discharge pipe size		Jacket size			Insulation thickness			Jacket wall thickness		
Outer diameter		Outer diameter		Min	or	Max	Min	or	Max	Min	or	Max
Inch	mm	Inch	mm	mm		mm	mm		mm	mm		mm
3/8	9.53	1/4	6.35	80	/	100	25	/	35	0.4	/	0.6
1/2	12.70	1/4	6.35	100	/	115	33	/	40	0.4	/	0.6
1/2	12.70	3/8	9.53	100	/	125	31	/	44	0.4	/	0.6
5/8	15.88	1/4	6.35	100	/	125	31	/	44	0.4	/	0.6
5/8	15.88	3/8	9.53	115	/	125	37	/	42	0.4	/	0.6
5/8	15.88	1/2	12.70	115	/	125	36	/	41	0.4	/	0.6
3/4	19.05	1/4	6.35	115	/	135	37	/	47	0.4	/	0.6
3/4	19.05	3/8	9.53	115	/	135	36	/	46	0.4	/	0.6
3/4	19.05	1/2	12.70	115	/	135	34	/	44	0.4	/	0.6
3/4	19.05	5/8	15.88	115	/	135	33	/	43	0.4	/	0.6
7/8	22.22	3/8	9.53	115	/	135	34	/	44	0.4	/	0.6
7/8	22.22	1/2	12.70	115	/	135	33	/	43	0.4	/	0.6
7/8	22.22	5/8	15.88	115	/	135	31	/	41	0.4	/	0.6
7/8	22.22	3/4	19.05	125	/	142	34	/	43	0.4	/	0.6
1 1/8	28.58	1/2	12.70	125	/	142	34	/	43	0.4	/	0.6
1 1/8	28.58	5/8	15.88	125	/	142	33	/	41	0.4	/	0.6
1 1/8	28.58	3/4	19.05	125	/	150	31	/	44	0.4	/	0.6
1 1/8	28.58	7/8	22.22	135	/	150	35	/	42	0.4	/	0.6
1 3/8	34.93	1/2	12.70	135	/	150	36	/	44	0.4	/	0.6
1 3/8	34.93	5/8	15.88	135	/	150	35	/	42	0.4	/	0.6
1 3/8	34.93	3/4	19.05	135	/	150	33	/	41	0.4	/	0.6
1 3/8	34.93	7/8	22.22	135	/	160	31	/	44	0.4	/	0.6
1 3/8	34.93	1 1/8	28.53	142	/	160	32	/	41	0.4	/	0.6
1 5/8	41.28	5/8	15.88	142	/	160	35	/	44	0.4	/	0.6
1 5/8	41.28	3/4	19.05	142	/	160	33	/	42	0.4	/	0.6
1 5/8	41.28	7/8	22.22	142	/	160	32	/	41	0.4	/	0.6
1 5/8	41.28	1 1/8	28.53	150	/	178	33	/	47	0.4	/	0.6
1 5/8	41.28	1 3/8	34.93	160	/	178	34	/	43	0.4	/	0.6
2 1/8	53.98	3/4	19.05	160	/	178	36	/	45	0.4	/	0.6
2 1/8	53.98	7/8	22.22	160	/	178	34	/	43	0.4	/	0.6
2 1/8	53.98	1 1/8	28.53	160	/	178	31	/	40	0.4	/	0.6
2 1/8	53.98	1 3/8	34.92	178	/	200	37	/	48	0.4	/	0.6
2 1/8	53.98	1 5/8	41.28	178	/	200	34	/	45	0.4	/	0.6
2 5/8	66.68	7/8	22.22	178	/	200	37	/	48	0.4	/	0.6
2 5/8	66.68	1 1/8	28.53	178	/	200	34	/	45	0.4	/	0.6
2 5/8	66.68	1 3/8	34.92	178	/	200	31	/	42	0.4	/	0.6
2 5/8	66.68	1 5/8	41.28	200	/	228	39	/	53	0.4	/	0.6
2 5/8	66.68	2 1/8	53.98	200	/	228	32	/	46	0.4	/	0.6
3 1/8	79.38	1 3/8	34.92	200	/	228	35	/	49	0.4	/	0.6
3 1/8	79.38	1 5/8	41.28	200	/	228	32	/	46	0.4	/	0.6
3 1/8	79.38	2 1/8	53.98	228	/	250	40	/	51	0.4	/	0.6
3 1/8	79.38	2 5/8	66.68	228	/	279	33	/	59	0.4	/	0.6

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INSAFOAM **COPPER** series



Products Description: **Pre-insulated Copper Pipe with HDPE Jacket**

General Specification:

Carrier pipe standard:

JIS H3300 (Equivalent to AS 1571:1985)

Carrier pipe type:

straight half hard

Insulation:

Polyurethane foam (PU) injection

Outer Jacket:

HDPE

Technical Data (Pre-insulated Copper Pipe with HDPE Jacket)

Suction pipe size		Discharge pipe size		Jacket size			Insulation thickness			Jacket wall thickness		
Outer diameter		Outer diameter		Min	or	Max	Min	or	Max	Min	or	Max
Inch	mm	Inch	mm	mm		mm	mm		mm	mm		mm
3/8	9.53	1/4	6.35	110	/	140	36	/	51	3.5		3.5
1/2	12.70	1/4	6.35	110	/	140	34	/	49	3.5		3.5
1/2	12.70	3/8	9.53	110	/	140	33	/	48	3.5		3.5
5/8	15.88	1/4	6.35	110	/	140	33	/	48	3.5		3.5
5/8	15.88	3/8	9.53	110	/	140	31	/	46	3.5		3.5
5/8	15.88	1/2	12.70	125	/	140	37	/	45	3.5		3.5
3/4	19.05	1/4	6.35	110	/	140	31	/	46	3.5		3.5
3/4	19.05	3/8	9.53	125	/	140	37	/	45	3.5		3.5
3/4	19.05	1/2	12.70	125	/	160	36	/	53	3.5		3.5
3/4	19.05	5/8	15.88	125	/	160	34	/	52	3.5		3.5
7/8	22.22	3/8	9.53	125	/	160	36	/	53	3.5		3.5
7/8	22.22	1/2	12.70	125	/	160	34	/	52	3.5		3.5
7/8	22.22	5/8	15.88	125	/	160	32	/	50	3.5		3.5
7/8	22.22	3/4	19.05	125	/	180	31	/	58	3.5		3.5
1 1/8	28.58	1/2	12.70	140	/	180	38	/	58	3.5		3.5
1 1/8	28.58	5/8	15.88	140	/	180	37	/	57	3.5		3.5
1 1/8	28.58	3/4	19.05	140	/	180	35	/	55	3.5		3.5
1 1/8	28.58	7/8	22.22	140	/	180	34	/	54	3.5		3.5
1 3/8	34.93	1/2	12.70	140	/	180	35	/	55	3.5		3.5
1 3/8	34.93	5/8	15.88	140	/	180	34	/	54	3.5		3.5
1 3/8	34.93	3/4	19.05	140	/	180	32	/	52	3.5		3.5
1 3/8	34.93	7/8	22.22	140	/	180	30	/	50	3.5		3.5
1 3/8	34.93	1 1/8	28.53	160	/	180	37	/	47	3.5		3.5
1 5/8	41.28	5/8	15.88	160	/	180	40	/	50	3.5		3.5
1 5/8	41.28	3/4	19.05	160	/	200	39	/	59	3.5	/	3.7
1 5/8	41.28	7/8	22.22	160	/	200	37	/	57	3.5	/	3.7
1 5/8	41.28	1 1/8	28.53	160	/	200	34	/	54	3.5	/	3.7
1 5/8	41.28	1 3/8	34.93	160	/	200	31	/	51	3.5	/	3.7
2 1/8	53.98	3/4	19.05	180	/	200	42	/	52	3.5	/	3.7
2 1/8	53.98	7/8	22.22	180	/	200	41	/	51	3.5	/	3.7
2 1/8	53.98	1 1/8	28.53	180	/	225	38	/	60	3.5	/	4.0
2 1/8	53.98	1 3/8	34.92	180	/	225	35	/	57	3.5	/	4.0
2 1/8	53.98	1 5/8	41.28	180	/	225	31	/	53	3.5	/	4.0
2 5/8	66.68	7/8	22.22	180	/	225	35	/	57	3.5	/	4.0
2 5/8	66.68	1 1/8	28.53	180	/	225	31	/	53	3.5	/	4.0
2 5/8	66.68	1 3/8	34.92	200	/	225	38	/	50	3.7	/	4.0
2 5/8	66.68	1 5/8	41.28	200	/	225	35	/	47	3.7	/	4.0
2 5/8	66.68	2 1/8	53.98	200	/	225	28	/	41	3.7	/	4.0
3 1/8	79.38	1 3/8	34.92	200	/	250	32	/	56	3.7	/	4.0
3 1/8	79.38	1 5/8	41.28	225	/	250	41	/	53	4.0	/	4.0
3 1/8	79.38	2 1/8	53.98	225	/	250	34	/	47	4.0	/	4.0
3 1/8	79.38	2 5/8	66.68	250	/	280	40	/	55	4.0	/	4.5

The information and technical data contained in this catalogue are based on our standard product configuration and are intended for general guidance only. Actual product specifications may vary according to project requirements, operating conditions, and customer specifications. Insafoam Insulation (M) Sdn. Bhd. reserves the right to modify product specifications without prior notice as part of our continuous product improvement program. Please consult our technical team for project-specific solutions.

INSAFOAM **COPPER** series



Bare copper tubes complying with JIS H 3300 and AS 1571 standards, ensuring top quality for air-conditioning and refrigeration systems. Made from high-purity copper, they deliver excellent performance and reliability. The drawn copper type is rigid, straight, easy to pre-insulate, and offers higher strength—perfect for efficient and long-lasting installations.

Products Description: **Bare Copper Tube**

General Specification:

Standard:

JIS H3300 / AS1571

Type:

Straight length

Temper:

Hard

Standard length:

5.8 meter

Technical Data (Bare Copper Tube)

Standard Size OD		Thickness		Weight	Safety Working Pressure	
inch	mm	mm	SWG	kg/m	Psi (50°C)	Psi (75°C)
1/4	6.35	0.71	22	0.112	1469	1224
		0.81	21	0.126	1699	1416
		0.91	20	0.139	1936	1613
		1.22	18	0.175	2715	2262
3/8	9.53	0.71	22	0.175	947	790
		0.81	21	0.198	1091	909
		0.91	20	0.220	1236	1030
		1.22	18	0.284	1706	1421
1/2	12.7	0.71	22	0.238	700	583
		0.81	21	0.270	804	670
		0.91	20	0.300	909	757
		1.22	18	0.392	1244	1037
5/8	15.88	0.71	22	0.302	554	462
		0.81	21	0.342	636	530
		0.91	20	0.381	718	598
		1.02	L	0.424	810	675
		1.22	18	0.501	979	816
3/4	19.05	0.71	22	0.365	459	383
		0.81	21	0.414	526	439
		0.91	20	0.462	594	495
		1.07	L	0.539	703	586
		1.22	18	0.609	807	673
7/8	22.23	0.71	22	0.428	392	327
		0.81	21	0.486	449	374
		0.91	20	0.543	506	422
		1.14	L	0.673	639	533
		1.22	18	0.718	686	572
1	25.4	0.81	21	0.558	391	326
		0.91	20	0.624	441	368
1 1/8	28.58	0.71	22	0.554	303	253
		0.81	21	0.630	347	289
		0.91	20	0.705	391	326
		1.27	L	0.971	551	459
1 1/4	31.75	0.81	21	0.702	311	257
		0.91	20	0.786	351	292
1 3/8	34.93	0.71	22	0.680	247	206
		0.81	21	0.774	282	235
		0.91	20	0.867	318	265
		1.22	18	1.152	430	358
		1.40	L	1.314	495	413
1 1/2	38.1	0.81	21	0.846	259	216
		0.91	20	0.948	291	243
1 5/8	41.28	0.81	21	0.918	238	199
		0.91	20	1.029	268	224
		1.22	18	1.368	405	337
		1.52	L	1.692	333	277
2 1/8	53.98	0.91	20	1.352	204	170
		1.02	19	1.513	229	191
		1.22	18	1.802	274	228
		1.78	L	2.602	373	311
2 5/8	66.68	1.22	18	2.236	222	185
		2.03	L	3.675	373	311
3 1/8	79.83	1.22	18	2.670	186	155
		2.29	L	4.943	353	294
3 5/8	92.08	1.50		3.804	197	164
		2.54	L	6.368	337	281
4 1/8	104.78	2.79	L	7.967	325	271

Straight copper seamless tube for Air Conditioning and Refrigeration
JIS H3300 / AS 1571 copper pipe x 5.8 meter lenghth wall (Straight Hard Drawn)

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