



شركة مناخ الربيع للأدوات الصحية
Manaq Al-Rabie Co.

Electro- Mechanical - Valves - Pipes & Fittings

www.manaqtrading.com



INTRODUCTION

Manaq Al Rabie Trad. Co. is one of the region's Leading importers, Stockiest agents, Distributors and Suppliers of Specialized Pipes, Pipe Fittings (Butt-Weld & Forged Fittings), Flanges, Valves, Gaskets, Pipe Clamps & Structural Steel. We Specialize in Carbon Steel, Stainless Steel, Galvanized Iron, Ductile Iron, Malleable Iron and Grooved Fittings According to Various Standards for consumable Marine, Industrial, Constructions, Petrochemical, Offshore, Oilfield, Gas Pipelines, Electromechanical, Fire Fighting, Contracting, Refinery, Mechanical Engineering, Fabrication, Construction of Storage Tanks, Pressure Vessels, Trucks, Boilers, Heaters, Cooling Towers, Gas Filters, Heat Exchangers and power Generation other Construction areas: We our best to become a company developing business along with Customer.

مقدمة

شركة مناخ الربيع للتداولات الصحية هي إحدى أكبر الموردين المخزنايين، الوكلاء والموزعين بالمنطقة لتجهيزات الأنابيب (اللحام ووصلات المطرقة)، الفلنشات، الصمامات، وشوش الرأس، مشابك الأنابيب والهياكل المعدنية. نحن متخصصون في الكربون الصلب ولإستينلس أستيل والحديد المجلفن والحديد المرين والمطامخ وتجهيزات الأذود، حسب مختلف المعايير والمقاسات للاستخدامات البحرية، الصناعية، المبالي والبتر وكيماويات والحقول النفطية البحرية، الغال، خطوط الأنابيب، الكهروميكانيكية، إطفاء الحرائق، المقاولات، مصافي ومعامل التكرير، الهندسة الميكانيكية، تحلية المياه، تصنيع صهاريج التخزين، حاويات الضغط، الغلايات، السخانات، أبراج التبريد، فلاتر الغاز، محولات الحرارة والمولدات. نحن نستخدم أفضل ما لدينا لتطوير الشركة لتلبية احتياجات العملاء.





CARBON STEEL SEAMLESS PIPES

Seamless SCH,40, SCH 80 & sch 160
Specs: A 106 Grade B - API 5L Grade B
ASTM A-53 Grade B

Brands: INTER PIPE
ARCELOR MITTAL(EUROPE)
CHINA, ROMANIA



HOT PIPE GALVANIZED STEEL PIPE

Welded ERW- SCH 10, SCH 20,
SCH 40 & SCH 80
SSP or AL JAZEERA
Specs: ASTM A-53

Brands: AL JAZEERA, SSP
CHINA, NKK

STAINLESS STEEL PIPES

Brands: TAIWAN, SAUDI ARABIA, CHINA

COPPER PIPES

Type L & Type K in American Standard
Specs: ASTM B 88 & WWT - 799



UPVC, CPVC & PPR PIPES

PVC SCH. 40 & SCH. 80
Specs: ASTM D 1785
CPVC SCH. 80
Specs: ASTM F - 44
UPVC Class 2 - Class 3 - Class 4 - Class 5
Specs: BS 3505 & 3506

Brands: SAUDI ARABIA, BAHRAIN



BUTT WELDING PIPE FITTINGS

(SS/CS/FS/CI/DI/BRONZE/BRASS ETC.)

- ELBOW 45° / 90°
- EQUAL TEE
- END CAP
- REDUCER TEE
- CONCENTRIC REDUCER
- ECCENTRIC REDUCER

1/2" to 48"
LARGER SIZES ARE AVAILABLE
ON REQUEST BASIS

BMI FITTINGS

- Elbow 90° / 45°
- Street Elbow, Reducing Elbow
- Equal Tee, Union, Hex Nipple
- Plug, Cap
- Reducer Bushing & Coupling
- 1/8" to 6" for # 150 Materials



GALVANIZED IRON FITTINGS

- Elbow 90° / 45°
- Street Elbow, Reducing Elbow
- Equal Tee, Union, Hex Nipple
- Plug, Cap
- Reducer Bushing & Coupling
- 1/8" to 6" for # 150 Materials

STAINLESS STEEL FITTINGS

- ELBOW 45° / 90° (Threaded & Welded)
- COUPLING END CAP (Threaded & Welded)
- EQUAL TEE (Threaded & Welded)
- HEX NIPPLE, UNION (Threaded)
- REDUCER TEE (Threaded & Welded)
- CON.REDUCER (Threaded & Welded)
- ECC. REDUCER (Threaded & Welded)





STEEL FABRICATION

SS STEEL
GALVANIZED STEEL
BLACK STEEL

FORGED STEEL FITTINGS

Class 3000# & 6000#
Threded & Socket - Welded
Specs: Ansi B 16.11,a 105



COPPER FITTINGS

ELBOW 45* / 90*
COUPLING , REDUCER COUPLING
EQUAL TEE, REDUCER TEE
HEX NIPPLE, PLUG, UNION
MALE ADAPTER
FEMALE ADAPTER

Size Range:
1/4" to 18"

GROOVED FITTINGS

ELBOW 45* / 90*
COUPLING END CAP
EQUAL TEE, FLANGES
RECUCER TEE (Threaded & Welded)
MECHANICAL TEE (Threaded & Welded)
CON. REDUCER (Threaded & Welded)
ECC. REDUCER
REDUCER COUPLING





**PVC & CPVC VALVES
UPVC CLASS , PIPE FITTINGS**

Size: 50mm to 400mm



PPR PIPE & FITTINGS (GREEN TYPE)

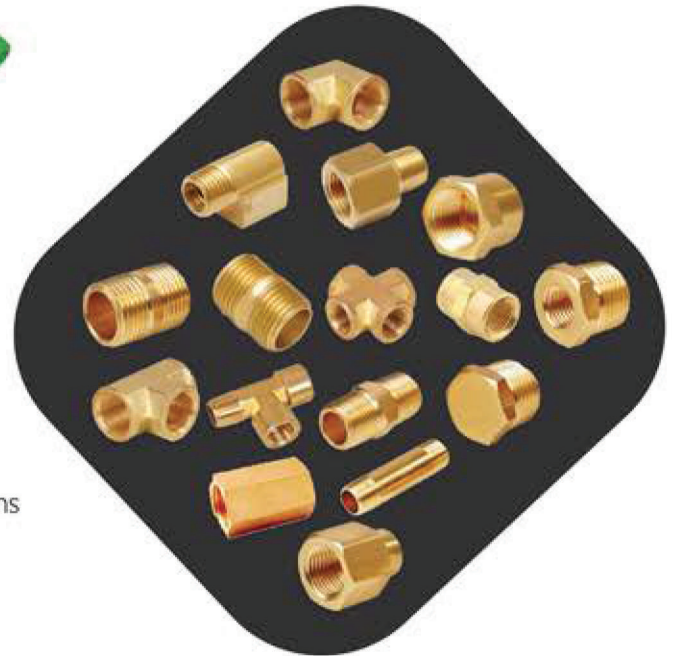
Size: 20mm to 90mm

Brands: SAUDI & BAHRAIN

BRASS PIPE FITTINGS

Brass pipes and fittings are used in commercial water, Steam and Oil and Gas applications . Brass pipes and fittings are durable and highly resistant to rust and corrosion.

Spec.: ASTM B 584 Alloy C84400, ASME B16.23
Fittings meet ASTM B 16.15 dimensional Specifications
Materials meet ASTM B-62 standards
All threads meet ASME / ANSI B1.20.1 standards.
Brand: BOSSINI and NIBCO .SANWA, PEGLER



TUBE FITTINGS

Double ferrule compression tube fittings provide leak-free performance for the most demanding applications. Tube fittings are commonly used throughout the oil and gas, pulp & paper, petro-chemical/ chemical processing, research laboratories, aerospace and defense, chemical processing, power generation.



VALVES

A valve is a device that regulates, direct or controls the flow of a fluid (gases, liquid, fluidized solids or slurries) by opening, closing or partially obstructing various passageways. Valves are technically valve fittings, but are usually discussed as a separate category. In an open valves, fluid flows in the direction from higher pressure to lower pressure.



COMMON TYPES

Carbon Steel 105 and ASME Sa 216 Grade WCB

STAINLESS STEEL CF8M, Lf 2, 304 316

CAST IRON

BRASS

BRONZE

FORGED STEEL

CHROME PLATED

PRESSURE & SIZES

PRESSURE #150 TO # 800

1/2 TO 24 «(IN ALL SCHEDULES)

LARGER SIZES AVAILABLE ON REQUEST BASIS

NPT, SW, FLANGED END ARE AVAILABLE

MAJOR SUPPLIERS

MART, SULFEX, VELAN,

KITZ, PEGLER

WATTS, MUELLER,

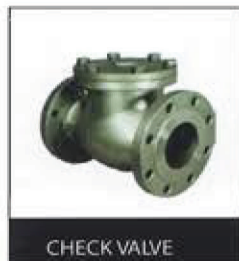
AVK, HUTTERSLY

FLOTECK, NIBCO, CRANE

EVK, LIFECO, GLOBE



GATE VALVE



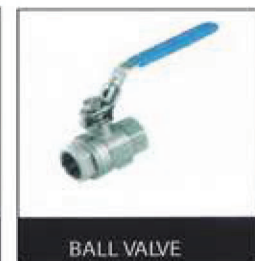
CHECK VALVE



BUTTERFLY VALVE



GLOBE VALVE



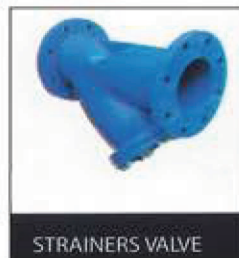
BALL VALVE



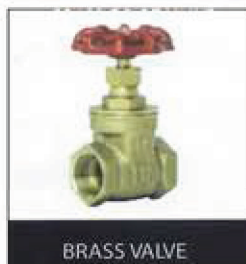
STRAINERS VALVE



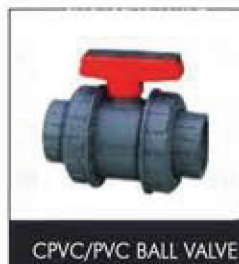
DOUBLE REGULATION VALVE



FLOAT VALVE



BRASS VALVE



CPVC/PVC BALL VALVE



FOOT VALVE



CHECK VALVE



BUTTERFLY VALVE



WATER METER/PRESSURE GAUGE

COMMON TYPES

Cast Iron
Brass

SIZE RANGE

Sizes Starting from 1/2" and the larger sizes are available on request bases

MAJOR BRANDS

| | |
|-----------|--------|
| SENSUS | WIKA |
| ELESTER | WINTER |
| MADDALENA | BUEMER |
| ACTARIS | |
| BI METER | |

AUTOMATIC SPRINKLERS

Pendent type, Upright, Vertical Sidewall, Horizontal Sidewall, Recessed Pendent, Recessed Sidewall and Concealed pendent+ Cover.

Brass finish and Chrome finish

Temperature Ratings- 135° F (57°C), 155°(68°C), 175°F (79°C), 200°F (93°C), 286°F(141°C) 360°F (182°C)

500°F (260°C) Available upon request without approvals

Maximum low temperature glass bulb rating is - 67°F (-55°C)

Brand: GLOBE AND TYCO ,LIFECO, CHINA



CLAMPS / UL / FM

RUBBER CLAMP
EPM RUBBER INSULATION
SIZE RANGE
3/8" to 8"

U-STRAP
MATERIAL : STEEL
SIZE RANGE
1/2" to 8"

CLEVIS HANGER
LIGHT & HEVYDUTY CLAMPS
SIZE RANGE
1/2" to 18"

U BOLT WITH NUT
6MM to 20MM
SIZE RANGE
1/2" to 18"

SWIVEL HANGER
MATERIAL: CARBON STEEL
SIZE RANGE
1/2" to 8"

HOSE CLAMP
MATERIAL: STAINLESS STEEL
SIZE RANGE
1/4 to 8"



BOLT / NUT / WASHER / THREAD RODS

STUD BOLTS ACC. TO ASTM A 193-87

NUTS ACC TO ASTM A 194-2H

PRESSURE REDUCING & PRESSURE RELIEF VALVES

Pressure reducing valve reduces the pressure of the water that goes through it, and is used to obtain a regulated and constant value at its outlet.

Pressure or Vacuum relief valve is to protect life and property by venting process fluid from an over pressurized vessel or adding fluid (such as air) to prevent formation of a vacuum strong enough to cause a storage tank to collapse.

Mfr: WATTS, SWINGER, CIA-VAL, GLOBE, LIFEKO



Miscellaneous

AUTOMATIC AIR VENTS

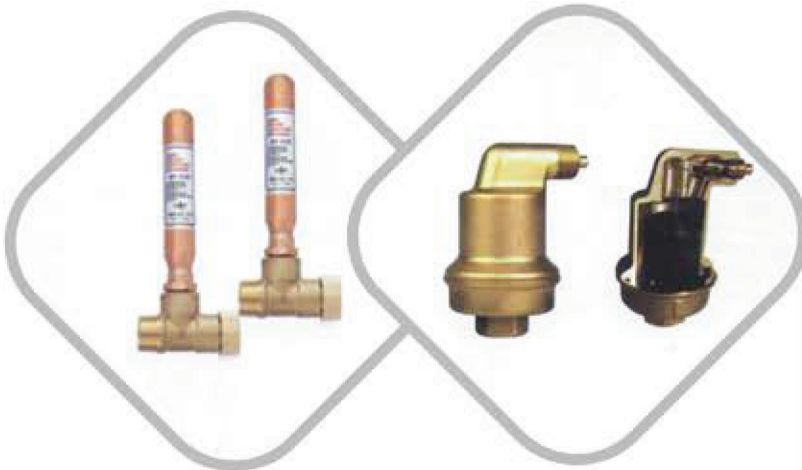
Air vent for hot or cold water distribution systems. These vents purge air that may be in the water system

WATER HAMMER ARRESTORS

Designed to protect residential, commercial and Industrial water lines during pressure surges following quick valve closure.

Body material: Copper Tube and Stainless Steel

BRAND: ZURN, WATTS, PPP



GASKETS / SHEETS

- TYPE OF GASKETS
- RUBBER GASKETS
- NON ASBESTOS GASKETS
- SPIRALWOUND GASKETS
- TRI-STEEL GASKETS

SPECIFICATION
 ANSI & DIN STANDARD
 1/2 TO 28"



CAMLOCK





FLANGES

These are the forged / rolled machined pieces to use in plants/ installation components as a fastening /connecting / assembling service conveying media. for several decades, the world over, from the vast on shore plants in middle & far east to advance north sea oil rings & other installation flanges have been on target with adequate and flexible solution. Common world standards include ASA / ANSI /ASME (USA) PN / DN (European) ANS BS 10 (British).



COMMON TYPES
SLIP ON
WELD NECK
BLIND
SOCKET WELD
THREADED

COMMON MATERIAL
CARBON STEEL
FORGED STEEL
STAINLESS STEEL
ALL SPECIAL GRADE OF EXOTIC STEEL
MATERIALS ARE AVAILABLE ON REQUEST

STANDARDS
SIZE STANDARD: #150, #300, #400, #600,
B16.5, B16.47, SERIES A & B, AWWA, DIN.

SIZE RANGES
1/2" to 48"
LARGER SIZE AVAILABLE ON REQUEST BASES

MAJOR SUPPLIERS
KOFCO
ULMA FORGA, MART



MAXIFIT COUPLING



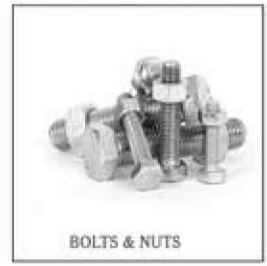
TAINLESS STEEL REPAIR CLAMP



FLEXIBLE CONNECTOR



FLANGE ADAPTOR



BOLTS & NUTS



TEST PLUG



DOWN SPOT NOZZLE



THREAD CONNECTION
RUBBER JOINT



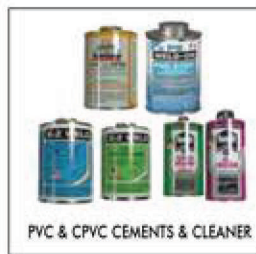
DI ELECTRICAL UNION



BACK FLOW PREVENTER



HAMMER UNION



PVC & CPVC CEMENTS & CLEANER



NO - HUB COUPLING



WELDING ROD



FLOW SWITCH

PIPE DATA TABLE

| Nominal pipe size mm/ inch | OD mm | 20 | 30 | STD | 40 | 60 | XS | 80 | 100 | 120 | 140 | 160 | XXS | Shipping vol./CBM |
|----------------------------|--------|-----------------|-----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------|
| 15 1/2 | 21.3 | | | 2.77 1.27 | 2.77 1.27 | | 3.73 1.62 | 3.73 1.62 | | | | 4.78 1.95 | 7.47 2.55 | 0.0004 |
| 20 3/4 | 26.7 | | | 2.87 1.69 | 2.87 1.69 | | 3.91 2.20 | 3.91 2.20 | | | | 5.56 2.90 | 7.82 3.64 | 0.0007 |
| 25 1 | 33.4 | | | 3.38 2.50 | 3.38 2.50 | | 4.55 3.24 | 4.55 3.24 | | | | 6.35 4.24 | 9.09 5.45 | 0.0011 |
| 32 1 1/4 | 42.2 | | | 3.56 3.39 | 3.56 3.39 | | 4.85 4.47 | 4.85 4.47 | | | | 6.35 5.61 | 9.70 7.77 | 0.0017 |
| 40 1 1/2 | 48.3 | | | 3.68 4.05 | 3.68 4.05 | | 5.08 5.41 | 5.08 5.41 | | | | 7.14 7.25 | 10.15 9.56 | 0.023 |
| 50 2 | 60.3 | | | 3.91 5.44 | 3.91 5.44 | | 5.54 7.48 | 5.54 7.48 | | | | 8.74 11.11 | 11.07 13.44 | 0.036 |
| 65 2 1/2 | 73.0 | | | 5.16 8.63 | 5.16 8.63 | | 7.01 11.41 | 7.01 11.41 | | | | 9.53 14.92 | 14.02 20.39 | 0.0053 |
| 80 3 | 88.9 | | | 5.49 11.29 | 5.49 11.29 | | 7.62 15.27 | 7.62 15.27 | | | | 11.13 21.35 | 15.24 27.68 | 0.0079 |
| 90 3 1/2 | 101.6 | | | 5.74 13.57 | 5.74 13.57 | | 8.08 18.63 | 8.08 18.63 | | | | - | - | 0.0103 |
| 100 4 | 114.3 | | | 6.02 16.07 | 6.02 16.07 | | 8.56 22.32 | 8.56 22.32 | | 11.13 28.32 | | 13.49 33.54 | 17.12 41.03 | 0.0130 |
| 125 5 | 141.3 | | | 6.55 21.77 | 6.55 21.77 | | 9.53 30.97 | 9.53 30.97 | | 12.70 40.28 | | 15.88 49.11 | 19.05 57.43 | 0.0199 |
| 150 6 | 168.3 | | | 7.11 28.26 | 7.11 28.26 | | 10.97 42.56 | 10.97 42.56 | | 14.27 54.20 | | 18.26 67.56 | 21.95 79.22 | 0.028 |
| 200 8 | 219.1 | 6.35 33.31 | 7.04 36.81 | 8.18 42.55 | 8.18 42.55 | 10.31 53.08 | 12.70 64.64 | 12.70 64.64 | 15.09 75.92 | 18.26 90.44 | 20.62 100.92 | 23.01 111.27 | 22.23 107.92 | 0.048 |
| 250 10 | 273.1 | 6.35 41.77 | 7.80 51.03 | 9.27 60.31 | 9.27 60.31 | 12.70 81.55 | 12.70 81.55 | 15.09 96.01 | 18.26 114.75 | 21.44 133.06 | 25.40 155.15 | 28.58 172.33 | 25.40 155.15 | 0.074 |
| 300 12 | 323.9 | 6.35 49.73 | 8.38 65.20 | 9.53 73.88 | 10.31 79.73 | 14.27 108.96 | 12.70 97.46 | 17.48 132.08 | 21.44 159.91 | 25.40 186.97 | 28.58 208.14 | 33.32 238.76 | 25.40 186.97 | 0.104 |
| 350 14 | 355.6 | 7.92 67.90 | 9.53 81.33 | 9.53 81.33 | 11.13 94.55 | 15.09 126.71 | 12.70 107.39 | 19.05 158.10 | 23.83 194.96 | 27.79 224.65 | 31.75 253.56 | 35.71 281.70 | | 0.126 |
| 400 16 | 406.4 | 7.92 77.83 | 9.53 93.27 | 9.53 93.27 | 12.70 123.30 | 16.66 160.12 | 12.70 123.30 | 21.44 203.53 | 26.19 245.56 | 30.96 286.64 | 36.53 333.19 | 40.49 365.35 | | 0.165 |
| 450 18 | 457.2 | 7.92 87.71 | 11.13 122.38 | 9.53 105.16 | 14.27 155.80 | 19.05 205.74 | 12.70 139.15 | 23.88 254.55 | 29.36 309.62 | 34.93 363.56 | 39.67 408.26 | 45.24 459.37 | | 0.209 |
| 500 20 | 508.0 | 9.53 117.15 | 12.70 155.12 | 9.53 117.15 | 15.09 183.42 | 20.62 247.89 | 12.70 155.12 | 26.19 311.17 | 32.54 381.53 | 38.10 441.49 | 44.45 508.11 | 50.01 564.81 | | 0.258 |
| 550 22 | 558.8 | 9.53 129.13 | 12.70 171.09 | 9.53 129.13 | - | 22.23 294.25 | 12.70 171.09 | 28.58 373.83 | 34.93 451.42 | 41.28 527.02 | 47.63 600.63 | 53.98 672.26 | | 0.312 |
| 600 24 | 609.6 | 9.53 141.12 | 14.27 209.64 | 9.53 141.12 | 17.48 255.41 | 24.61 355.26 | 12.70 187.06 | 30.96 442.08 | 38.89 547.71 | 46.02 640.03 | 52.37 720.15 | 59.54 808.22 | | 0.372 |
| 650 26 | 660.4 | 12.70 202.72 | - | 9.53 152.87 | - | | 12.70 202.72 | | | | | | | 0.436 |
| 700 28 | 711.2 | 12.70 218.69 | 15.88 271.21 | 9.53 164.85 | - | | 12.70 218.69 | | | | | | | 0.505 |
| 750 30 | 762.0 | 12.70 234.67 | 15.88 292.18 | 9.53 176.84 | - | | 12.70 234.67 | | | | | | | 0.580 |
| 800 32 | 812.8 | 12.70 250.64 | 15.88 312.15 | 9.53 188.82 | 17.48 342.91 | | 12.70 250.64 | | | | | | | 0.660 |
| 850 34 | 863.6 | 12.70 266.61 | 15.88 332.12 | 9.53 200.31 | 17.48 364.90 | | 12.70 266.61 | | | | | | | 0.745 |
| 900 36 | 914.4 | 12.70 282.27 | 15.88 351.70 | 9.53 212.56 | 19.05 420.42 | | 12.70 282.27 | | | | | | | 0.836 |
| 950 38 | 965.2 | | | 9.53 224.54 | | | 12.70 298.24 | | | | | | | 0.931 |
| 1000 40 | 1016.0 | | | 9.53 236.53 | | | 12.70 314.22 | | | | | | | 1.032 |
| 1050 42 | 1066.8 | | | 9.53 248.52 | | | 12.70 330.19 | | | | | | | 1.138 |
| 1100 44 | 1117.8 | | | 9.53 260.50 | | | 12.70 346.16 | | | | | | | 1.249 |
| 1150 46 | 1168.4 | | | 9.53 272.25 | | | 12.70 351.82 | | | | | | | 1.365 |
| 1200 48 | 1219.2 | | | 9.53 284.24 | | | 12.70 377.79 | | | | | | | 1.486 |

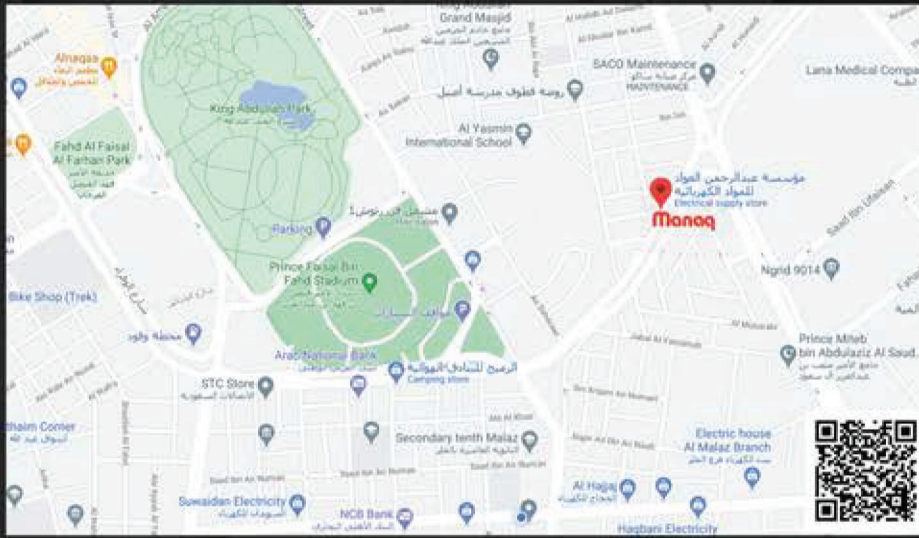
SI Units (Metric)

OD = mm

Wall thickness = mm

Weight = kg/m (plain end mass)

Showroom Location



شركة مناخ الربيع للأدوات الصحية

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Electro- Mechanical - Valves - Pipes & Fittings

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