SCHOTT
glass made of ideas

KIMAX®

Laboratory Glass Drain
and Vent Systems

SCHOTT is a leading international technology group in the areas of specialty glass and glass-ceramics. With more than 130 years of outstanding development, materials, and technology expertise we offer a broad portfolio of high-quality products and intelligent solutions that contribute to our customers' success.

With a production capacity of more than 140,000 tons and production sites in Europe, South America and Asia, SCHOTT Tubing is one of the world's leading manufacturers of glass tubes, rods and profiles. Approximately 60 glass types are produced in large external diameters and a variety of lengths based on site-overlapping strategies in development, production and quality assurance. SCHOTT Tubing provides customized products and services for international growth markets such as pharmaceuticals and electronics as well as industrial and environmental engineering.

KIMAX® Drainline Piping Systems for Drain and Vent Applications

This catalog contains performance, engineering, installation and specification data for KIMAX® Glass Drain and Vent Systems manufactured by SCHOTT.

KIMAX® borosilicate glass piping has the highest chemical resistance for acid waste in a non-process system, with the highest thermal resistance found in any acid waste pipe on the market. Its easy assembly and long life cycle, along with its flexibility and adaptability, make it an outstanding choice. While KIMAX® systems are widely used in laboratories, dialysis systems, nuclear medicine and other scientific applications that demand special handling of waste, they are also used by educational, medical and industrial institutions needing to neutralize their waste before discharge.

KIMAX® acid waste and vent systems set the standard for borosilicate glass piping systems, offering the highest chemical resistance for acid waste while remaining sustainable, durable, user-friendly and easy to assemble. For special handling of corrosive waste in a non-process system, KIMAX® is your trusted partner.

For drainline installation data, see separate catalog.

Let’s create today’s lab that meets tomorrow’s needs

Flexible
Modular and adaptable – easily reconfigured during lab renovations, modifications or reuse.

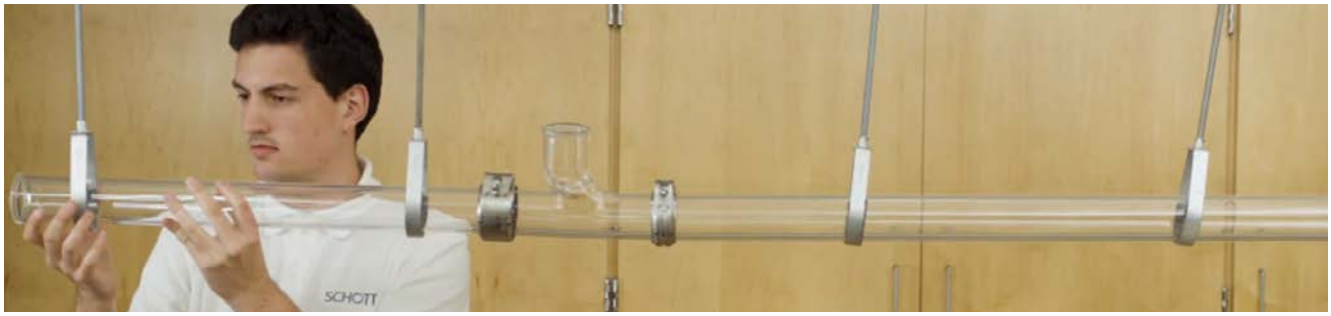
Dependable
Day in and day out KIMAX® works due to no down time.

Durable
The most corrosion resistant material on the market.

Sustainable
No off gassing, no hazardous materials, no VOC’s …
No problems.

Economical
Long-term ROI with lowest life-cycle cost on the market. Safe and simple installation, maintenance-free operation for the life of the building.

BIM
With our BIM modeling you see what you get.



KIMAX® Glass Pipe requires less hangers than polypropylene and high silicon iron pipes – only one hanger every 8 to 10 feet.

KIMAX® Glass Drainlines Installation is Simple

Joints are easy to make, rugged and reliable: Installing KIMAX® Glass Drainlines is fast and inexpensive – even faster and less costly than less effective materials like polypropylene pipe. Here's why:

- Glass pipe is lightweight and doesn't sag, even when it's hot. So it requires fewer hangers than high silicon iron or plastic pipes. The recommended hanger spacing for all sizes of KIMAX® Glass Drainlines is every 8–10'. Polypropylene pipe manufacturers recommend hangers every 4–6' depending on the pipe diameter.
- Since glass pipe has a low coefficient of expansion, no expansion loops or joints are needed. Its coefficient of expansion – 0.2"/100 ft/100°F – is lower than any other drainline material. Polypropylene pipe needs expansion joints and/or loops.
- The UL classified firewall penetration system is simple, easy to install and effective.
- Couplings for KIMAX® Glass Drainlines require no field beading, welding or fusion. To assemble a drain or vent system with the KIMAX® bead-to-plain coupling, the pipe is merely cut, inserted into the coupling, and a bolt is tightened. The two pieces of pipe can even be up to 4° out of line.

The installed cost of a KIMAX® Glass Drainline system is cost-competitive and often less expensive than other drainline systems.

Caution:

Suitable safeguards for equipment and personnel must be provided when glass pipe is used under gas pressure, due to the potential energy of gases under pressure or vacuum.

KIMAX® Glass Drainline Couplings – Quick and Secure

Two types of couplings are used to join KIMAX® Glass Drainline pipes and fittings – bead-to-bead and bead-to-plain end. Both types have a 300-series stainless steel outer shell, a Buna-N compression liner, and a TFE seal ring. With a KIMAX® Coupling, only glass and TFE contact the fluid.

Bead-to-bead (B/B) Couplings are formed by placing the two beaded drainline ends into a coupling and tightening the bolt. This type of coupling is normally used when installing long runs of pipe that require no cutting. KIMAX® Glass Drainline comes from the factory with a bead on each end. When the pipe must be cut in the field, use the KIMAX® Bead-to-Plain end Coupling.

Tutorial installation videos are available to view on our website: www.us.schott.com/drainline.

Joining KIMAX® Pipe with bead-to-plain end coupling.

All couplings are not alike. KIMAX® B/P Couplings are designed to stand up to harsh operating conditions. Tested by an independent testing laboratory, KIMAX® B/P Couplings were found to be sound even after simulated 20-year testing.

KIMAX® B/P Couplings Passed the Following Tests

- **Simulated 20-year underground corrosion test:** Immersion in hydrochloric, nitric and sulfuric acid (pH of 2.6) or sodium hydroxide (pH of 8.0) for 15 days at 186°F, KIMAX® B/P Couplings still did not leak and retained their strength. They will not pull apart, even with a 375-pound pull force.
- **Thermocycle test:** With the two pipes deflected 4°, the KIMAX® B/P Coupling was subjected to thermocycles from 0°F to 200°F. A 25 psi pressure check showed no leakage after any of the temperature cycles, and a 375-pound pull would not pull the coupling apart.
- **Deflection testing:** While under 25 psi internal pressure, the coupling was flexed over its 4° deflection range 15,000 times. No leakage occured and the coupling still would not pull apart with a 375-pound pull.

(Details of the B/P coupling tests, performed by Pittsburgh Testing Laboratories, are available upon request.)

Bead-to-plain end (B/P) Couplings eliminate field beading and are applied when pipe needs to be field cut. Only one pipe or fitting end requires a bead. The other pipe end needs only to be cut.

To form a B/P joint, the outside edge of the cut pipe is wiped with an emery cloth to eliminate the sharp edge. The beaded pipe end is wetted, the two pipe ends are placed into the coupling, and the bolt tightened.

The KIMAX® B/P Coupling has performed successfully in the field for more than 30 years, including underground installations. With KIMAX® B/P Couplings, installation labor is minimized and the possibility of error in forming a bead in the field is eliminated.

KIMAX® Bead-to-Plain end Coupling components.

KIMAX® Glass Drainlines for Long-Lasting, Durable Underground Installations

The toughness and durability of KIMAX® Glass Drainline is demonstrated by its superior performance in thousands of underground installations. Underground drains have more exacting performance criteria than above-ground drains.

KIMAX® Glass Pipe is corrosion resistant, it can handle future anticipated requirements. And glass pipe is not affected by external corrosion either. KIMAX® Glass Drainlines are unaffected by lime, moisture, and other materials in the soil. The smooth, non-porous surface of a KIMAX® Glass Drainline minimizes plugging and scale build-up – an important feature for buried pipe.

KIMAX® Glass Drainlines are also tough enough to withstand the rigors of underground installation methods. EPS*-covered KIMAX® Glass Drainlines meet or exceed ASTM requirements for buried heavy schedule cast iron pipe. EPS-covered KIMAX® Glass Drainline passes the ASTM three-edge bearing test, the impact test, and the earth loading test. (Testing report from Pittsburgh Testing Laboratory available uopn request.)

KIMAX® B/P Couplings not only resist internal and external corrosion, but their ability to deflect up to 4° without leaking allows buried KIMAX® Glass Drainlines to flex with shifting ground conditions.

KIMAX® Pipe Cutting Tools Reduce Contractor Installation Costs

KIMAX® Cutting Tools enable contractors to quickly field cut special lengths of 1½" through 6" drainline pipe.

Additional information on field cutting tools is available by contacting your local KIMAX® distributor or SCHOTT North America, Inc. Also see page 21 of this catalog.

*EPS is Expanded Polystyrene

Sample Acid Waste Specification

Long Form: Acid Waste Drain and Vent Piping System

I. General:

a) Contractor shall furnish and install a complete acid waste drain and vent system as indicated. This system shall be made of U.L. Classified borosilicate glass conforming to ASTM Specification C 1053-90, Federal Specification DD-G-541 B and Military Specification MIL-P-22561 B (YD) as manufactured under the trade name "KIMAX®" by SCHOTT.

b) This system shall include all glass straight lengths, fittings, and traps, compression type tetra-fluoroethylene lined couplings, and padded hanger supports. It shall also include protected pipe for underground burial and recommended adapter couplings to connect other piping material, where applicable.

c) All pipe shall be installed free of strain, in a manner to permit limited movement. Padded pipe hangers shall be used on horizontal runs 8' to 10' on centers. Vertical risers shall be supported by padded riser clamps designed to restrict lateral and downward movement. Vertical risers of 1½" and 2" may be supported at every other floor level. 3", 4" and 6" shall be supported at every floor level.

II. Connections

a) Glass-to-glass connections shall be made with KIMAX® compression type bead-to-bead and bead-to-plain end couplings – article numbers 6650 and 6661 respectively. Coupling's outer shell, bolt and nut to be made from 300 series stainless steel. Bead-to-plain end coupling outer shell must encapsulate compression liner to prevent cold flow and ensure leak-free joint. Coupling compression liner to be made from Buna-N-Rubber. Seal ring gasket to be made of tetra-fluoro ethylene. When installed according to the manufacturer's recommendations, they shall provide a leak-free joint when deflected up to 4°.

b) Joints between glass and other types of piping material shall be made with KIMAX® Adapters, and/or according to manufacturer's recommendations.

III. Floor and wall penetrations

a) Glass pipe passing through non-fire rated walls or floor slabs shall be fitted with pipe sleeves a minimum of 2" greater diameter than the pipe O.D. Space between pipe and sleeve shall be packed with fiber glass, glass wool and/or a non-hardening approved caulking material.
b) Glass pipe passing through fire-rated walls or floor slabs shall be installed in accordance with Underwriters Laboratory fire penetration systems for KIMAX® Glass Pipe. System numbers listed in the U.L. Fire Resistance Directory include: C-AJ-2006, 2014, 2019, 2039, 2079, 2094, 2118, 2144, 8005, 8035; W-J-2032; W-L-2006, 2112, 2114.
c) Glass pipe shall not be installed in direct contact with concrete. Fiber glass insulation or other type padding as approved by the pipe manufacturer shall be used to insulate between the two materials.
d) Glass pipe shall be protected against all weld spatter.

IV. Installation and testing

Install and test in accordance with manufacturer's recommendations and national and/or local code requirements.

V. Underground pipe

a) Excavation – shall conform to National Plumbing Code A 40.8 Section 2.7.
   1. Bottom of trench shall be properly compacted, graded, and the pipe supported throughout its entire length.
   2. A minimum of 4" of properly compacted rock-free sand or soil shall be used directly under the pipe.
b) Buried Pipe
   1. Pipe shall be 6502 series – 5-ft. lengths covered with expanded polystyrene.
   2. All underground fittings shall be protected prior to back-filling by wrapping in polyvinyl film (5 mil), Scotch Wrap or J.M. Trans-Tex or approved equal.
c) Backfill

   Pipe trench shall be back-filled and tamped with rock-free sand or soil to 12" above top of pipe. Where space does not permit a minimum 12" cover, additional protection must be provided to protect pipe against crushing loads, except when buried under protective concrete slab.

VI. Laboratory sink connection

Sink outlets, tailpieces, traps and cup sinks shall be KIMAX® Borosilicate Glass.

Short Form: Acid Waste Drain and Vent Piping System

System shall be made of KIMAX® U.L. Classified borosilicate glass and conforming to ASTM Specification C 1053-90, Federal Specificaion DD-G-541-B and Military Specification MIL-P-22561-B (YD) as manufactured by SCHOTT. Glass-to-glass connections shall be made with KIMAX® compression type bead-to-bead and bead-to-plain end couplings – article numbers 6650 and 6661 respectively. Coupling's outer shell, bolt and nut to be made from 300 series stainless steel. Bead-to-plain end coupling outer shell must encapsulate compression liner to prevent cold flow and ensure leak-free joint. Inner seal ring is made of tetra-fluoroethylene. System shall be installed in accordance with the manufacturer's recommendations and the governing plumbing code.

Underground Glass Pipe: Excavation shall conform to National Plumbing Code A 40.8 Section 2.7. Bottom of trench shall consist of a minimum 4" of rock-free sand or soil, compacted and graded to provide uniform full length support. Back-fill with rock-free sand and/or soil to 12" above pipe. When the above conditions cannot be met, consult the manufacturer for recommendations. KIMAX® Protected Pipe, and wrapped fittings shall be installed and back-filled in accordance with the manufacturer's instructions and governing plumbing code.

Pipe and Fittings

Standard lengths of KIMAX® Drainline Pipe are 5 feet and 10 feet.
Special lengths (both ends beaded) are available on request.

6500 5-FT. LENGTHS
6501 10-FT. LENGTHS

Size	Weight lbs./ft.	A	B (O.D.)	C (Wall)	5-ft. lengths Art. No.	10-ft. lengths Art. No.
1½	0.87	2.06	1.84	0.18	6500-1500	6501-1500
2	1.1	2.58	2.34	0.17	-2000	-2000
3	2.0	3.69	3.41	0.20	-3000	-3000
4	3.4	4.84	4.53	0.26	-4000	-4000
6	6.3	7.12	6.66	0.33	-6000	-6000

HW 7035 EPS DRAINLINE COVERS (FOR UNDERGROUND USE)

EPS covers are designed to surround the pipe – each piece is 2.5′ long and covers 180 of the pipe. To completely cover a 5′ length of pipe, please use four (4) pieces of EPS.

EPS Covers Art. No.
HW 7035 D–1500
–2000
–3000
–4000
–6000

6511 SWEEPS

1. ¼ bend (90°)
2. ⅙ bend (60°)
3. ⅛ bend (45°)
4. 1⁄16 bend (22½°)

Size	A	90° Art. No.	60° Art. No.	45° Art. No.	22½° Art. No.
1½	4½	6511-1590	6511-1560	6511-1545	6511-1522
2	5	-2090	-2060	-2045	-2022*
3	6½	-3090	-3060*	-3045	-3022*
4	9	-4090	-4060*	-4045	-4022*
6	12	-6090	-6060*	-6045	-6022*

6513 BENDS

1. ¼ bend (90°)
2. ⅙ bend (60°)
3. ⅛ bend (45°)
4. 1⁄16 bend (22½°)

Size	A 90°	A 60°	A 45°	A 22½°	90° Art. No.	60° Art. No.	45° Art. No.	22½° Art. No.
1½	3	2½	2	2	6513-1590	6513-1560	6513-1545	6513-1522
2	3¼	2¾	2¼	2¼	-2090	-2060	-2045	-2022
3	5	3½	2¾	2¾	-3090	-3060*	-3045	-3022*
4	7	4½	3¼	3¼	-4090	-4060*	-4045	-4022*
6	–	–	7	–			-6045	

Use catalog dimensions for piping layout as gasket thickness allowance is included.
*Subject to stock availability/manufactured per order, non returnable.

Offsets made using Standard Sweeps and Bends

Offsets to satisfy differing angles and slopes can be created by using varying combinations of 6511 Sweeps & 6513 Bends. To do so please order the bend/ sweeps necessary as well as the appropriate coupling – a 6650 Bead x Bead coupling to construct the offset.

6511 SWEEP OFFSETS

Size	1/4		1/6		1/8		1/16	
	L	O	L	O	L	O	L	O
1½	9	9	13½	7⅞	15⅜	6⅜	17⅜	3⅜
2	10	10	15	8¾	17⅛	7⅛	19¼	3⅞
3	13	13	19½	11¼	22¼	9¼	25	5
4	18	18	27	15⅝	30¾	12¾	34⅝	6⅞
6	24	24	36	20¾	41	17	46¼	9¼

6513 BEND OFFSETS

Size	1/4		1/6		1/8		1/16	
	L	O	L	O	L	O	L	O
1½	6	6	7½	4⅜	6⅞	2⅞	7¾	1½
2	6½	6½	8¼	4¾	7¾	3¼	8⅝	1¾
3	10	10	10½	6⅛	9⅜	3⅞	10½	2⅛
4	14	14	13½	7⅞	11⅛	4⅝	10¾	2½

Special Purpose Bends

6521 SINGLE SANITARY T

6522 DOUBLE SANITARY T

Size	A	B	C	Single Art. No.	Double Art. No.
1½ x 1½	6	3½	3¾	6521-1515	6522-1515
2 x 1½	8	3¾	5	-2015	-2015
2 x 2	8	4½	5	-2020	-2020
3 x 1½	12	4¼	7 7/16	-3015	-3015*
3 x 2	12	5	7 7/16	-3020	-3020
3 x 3	12	6⅜	7 7/16	-3030	-3030
4 x 1½	14	4⅞	8¾	-4015	-4015*
4 x 2	14	5⅝	8¾	-4020	-4020*
4 x 3	14	7	8¾	-4030	-4030*
4 x 4	14	8¼	8¾	-4040	-4040*
6 x 2	20	6¾	12⅜	-6020*	-6020*
6 x 3	20	8	12⅜	-6030*	-6030*
6 x 4	20	9 5/16	12⅜	-6040*	-6040*
6 x 6	20	12	12⅜	-6060*	-6060*

Use catalog dimensions for piping layout as gasket thickness allowance is included.
*Subject to stock availability / manufactured per order, non returnable.

6523 STRAIGHT T

Size	A	B	C	Art. No.
1½ x 1½	6	3	3	6523-1515
2 x 1½	8	3¼	4	-2015
2 x 2	8	4	4	-2020
3 x 1½	12	4½	6	-3015*
3 x 2	12	4½	6	-3020
3 x 3	12	6	6	-3030
4 x 1½	14	5	7	-4015*
4 x 2	14	5	7	-4020
4 x 3	14	6½	7	-4030*
4 x 4	14	8	7	-4040
6 x 3	20	7¾	10	-6030*
6 x 4	20	9	10	-6040*
6 x 6	20	10	10	-6060*

6524 TEST T WITH CLEANOUT

Size	A	B	C	D	Art. No.
1½ x 1½	6	2 3/16	3	3 1/16	6524-1515
2 x 2	8	2 11/16	4	3 11/16	-2020
3 x 3	12	3 9/16	6	4 11/16	-3030
4 x 4	14	4 5/8	7	5 7/8	-4040

Test T and cleanout comes as complete assembly including cap and coupling.

6526 DRAINLINE Y SINGLE

6527 DRAINLINE Y DOUBLE

Size	A	B	C	Single Y Art. No.	Double Y Art. No.
1½ x 1½	6	1⅞	4½	6526-1515	6527-1515*
2 x 1½	8	2½	4¾	-2015	-2015*
2 x 2	8	2½	6	-2020	-2020*
3 x 1½	12	3¾	5½	-3015	-3015*
3 x 2	12	3¾	6¾	-3020	-3020*
3 x 3	12	3¾	8	-3030	-3030*
4 x 1½	14	4½	6⅜	-4015*	-4015*
4 x 2	14	4½	7½	-4020	-4020*
4 x 3	14	4½	8¾	-4030	-4030*
4 x 4	14	4½	10	-4040	-4040*
6 x 2	20	5¾	9	-6020*	-6020*
6 x 3	20	5¾	10⅜	-6030*	-6030*
6 x 4	20	5¾	11½	-6040*	-6040*
6 x 6	20	5¾	14	-6060*	-6060*

Use catalog dimensions for piping layout as gasket thickness allowance is included.
*Subject to stock availability / manufactured per order, non returnable.

6528 COMBINATION Y AND ⅛ BEND – SINGLE

6529 COMBINATION Y AND ⅛ BEND – DOUBLE

Size	A	B	C	D	Single Art. No.	Double Art. No.
1½ x 1½	6	4½	4⅝	1⅞	6528-1515	6529-1515
2 x 1½	8	4¾	5½	2½	-2015	-2015
2 x 2	8	6	6¼	2½	-2020	-2020
3 x 1½	12	5⅜	7¼	3¾	-3015	-3015*
3 x 2	12	6½	8	3¾	-3020	-3020*
3 x 3	12	8½	9	3¾	-3030	-3030*
4 x 1½	14	6	8½	4½	-4015	-4015*
4 x 2	14	7	9¼	4½	-4020	-4020*
4 x 3	14	9	10¼	4½	-4030	-4030*
4 x 4	14	11	11	4½	-4040	-4040*
6 x 2	20	8¼	11⅝	5¾	-6020*	-6020*
6 x 3	20	10	12½	5¾	-6030*	-6030*
6 x 4	20	12	13½	5¾	-6040*	-6040*
6 x 6	20	15	14½	5¾	-6060*	-6060*

6531 PARTITION CROSS (COMPACT)

Size	A	B	C	Art. No.
2 x 1½	8	3¾	5	6531-2015*
2 x 2	8	4½	5	-2020*
2 x 1½ x 1½ x 1½	8	3¾	5	-2151*

Partition crosses are designed to prevent cross-flow when sinks are connected back to back.

6536 STRAIGHT REDUCERS OR INCREASERS

6537 ECCENTRIC REDUCERS OR INCREASERS

Size	A	B (min.)	Straight Art. No.	Eccentric Art. No.
2 x 1½	4	1¾	6536-2015	6537-2015
3 x 1½	5	2¼	-3015	-3015*
3 x 2	5	2¼	-3020	-3020*
4 x 1½	7	3	-4015*	-4015*
4 x 2	7	3	-4020	-4020*
4 x 3	7	3	-4030	-4030*
6 x 1½	9	4	-6015*	-6015*
6 x 2	9	4	-6020*	-6020*
6 x 3	9	4	-6030	-6030*
6 x 4	9	4	-6040	-z6040*

Use catalog dimensions for piping layout as gasket thickness allowance is included.
*Subject to stock availability / manufactured per order, non returnable.

6544 CLEANOUT PLUG

Size	A	Art.No.
1½	1	6544-1500
2	1	-2000
3	1⅛	-3000
4	1¼	-4000
6	1½	-6000

6550 U BEND (VENT LOOP)

Size	A	B	Art. No.
1½	4	5	6550-1500
2	4½	5½	-2000
3	5½	6½	-3000
4	6½	7½	-4000*

Note: U bends are often used for vent loops. No. 6705 outlets on Swivel "S" traps are also able to be used as vent loops.

6566 "MJ" PIPE ADAPTER[1)]

Pipe Size	A	Art.No.
1½	3½	6566-1500
2	4	-2000
3	5	-3000
4	6	-4000

Glass Adapter to High Silicon Iron "MJ" Pipe

[1)] 6566 "MJ" Pipe Adapter consists of glass adapter and 6740 teflon spacer.

Use catalog dimensions for piping layout as gasket thickness allowance is included.
*Subject to stock availability / manufactured per order, non returnable.

Couplings

6650 DRAINLINE COUPLING (BEAD TO BEAD)

Size	A	B	C	D	Bolt Size	Art. No.
1½	3	2⅝	1⁵⁄₁₆	³⁄₁₆	¼ – 28 x 2¾	6650-1500
2	3½	3⅛	1⁵⁄₁₆	³⁄₁₆	¼ – 28 x 2¾	-2000
3	4¾	4¼	1⁷⁄₁₆	³⁄₁₆	¼ – 28 x 2¾	-3000
4	6	5½	1½	³⁄₁₆	¼ – 28 x 3¼	-4000
6	8¼	7¾	1⅞	¼	⁵⁄₁₆ – 24 x 4	-6000

6655 ADAPTER COUPLING FOR UNTHREADED PIPE

No. 6655 adapter assembly is used to join KIMAX® Drainline Pipe and/or fittings to plain end sink tailpieces.

Size	Tailpiece Style	O.D. Size Range	Art. No.
2 x 1½	KIMAX® glass tail pipe extension No. 6728, metal tubing, and lead tailpiece extensions	1.48 to 1.53	6655-2015
2 x 1¾	Lead, Class D or XL tailpiece PYREX tailpiece and cup sink	1.70 to 1.78	-2017
2 x 1⅞	Plain end KIMAX® 1½ glass pipe or fittings	1.82 to 1.90	-2018
	Durcon = SO-2 Duriron = 11713 Lead-Class C or L, B or M Plastic or Steel (1½ IPS)		

6661 B/P DRAINLINE COUPLING (BEAD-TO-PLAIN END)

Size	A	B	C	D	Bolt Size	Art. No.
1½	3	2¾	1¾	³⁄₁₆	¼ – 28	6661-1500
2	3⅜	3¼	1¾	³⁄₁₆	¼ – 28	-2000
3	4¹¹⁄₁₆	4¼	2⁹⁄₁₆	³⁄₁₆	⁵⁄₁₆ – 24	-3000
4	6	5⅝	2⁹⁄₁₆	³⁄₁₆	⁵⁄₁₆ – 24 (2)	-4000
6	8⅝	7⅞	4	¼	⁵⁄₁₆ – 24 (2)	-6000

No. 6661 B/P drainline coupling is used for joining 1½", 2", 3", 4" or 6" KIMAX® Beaded Glass Drainline to plain end (cut) glass pipe; lead, I.P.S. metal, or plastic pipe.

Use catalog dimensions for piping layout as gasket thickness allowance is included.

Drainline Traps

Expanded inlets of traps have 4" minimum depth to permit adjustment

6700 SWIVEL TRAP-P STYLE

Size Inlet x Outlet	A	B	C	D	Art. No.
1½ x 1½	8¾	8	2	5	6700-1515
2 x 1½	8¾	8	2	5	-2015
2 x 2	9 11/16	8¾	1⅝	5½	-2020

6701 SWIVEL TRAP-P STYLE

Size Inlet x Outlet	A	B	C	D	Art. No.
1½ x 1½	9 11/16	11	1⅝	5	6701-1515
2 x 1½	8¾	11	1⅝	5	-2015
2 x 2	8¾	13	1¼	5½	-2020

6704 SWIVEL TRAP-P STYLE (PLAIN END OUTLET[1])

Size Inlet x Outlet	A	B	C	D	Art. No.
1½ x 1½	8¾	17	1⅝	5	6704-1515
2 x 1½	8¾	17	1⅝	5	-2015
2 x 2	9 11/16	17½	1¼	5½	-2020

[1] Plain end outlet, can be field cut.

Use catalog dimensions for piping layout as gasket thickness allowance is included.

6706 SWIVEL TRAP-S STYLE

Size Inlet x Outlet	A	B	C	D	Body I.D.	Art. No.
1½ x 1½	9	8	1	4¾	3	6706-1515*
2 x 1½	9	8	1½	4¾	3	-2015*
2 x 2	9¾	9¼	2	5½	4	-2020*

No. 6706 swivel "S" trap consists of two No. 6705 inlets and a No. 6650 KIMAX® Coupling at the swivel joint.

6707 DRUM TRAP-P STYLE

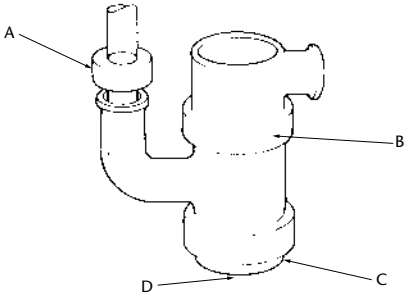
Size Inlet x Outlet	A	B	C	D	Art. No.
1½ x 1½	10	10	8¾	5	6707-1515
2 x 1½	10	10	8¾	5	-2015
2 x 2	9¾	11	9 11⁄16	4⅞	-2020

6708 INTERCEPTOR TRAP

Size	Description	Art. No.
1½ x 1½	Interceptor Trap	6708-4015
1¼ O.D. Inlet	Adapter Seal	6665-1512
1½ O.D. Inlet	Adapter Seal	6665-1515

Specifications:
KIMAX® borosilicate glass interceptor trap with 1½" I.D. inlet, 1½" I.D. outlet and 4" I.D. body. Perforated S.S. screen interceptor 4" dia. with 1⁄16" holes and effective 6 sq. in. free area opening. Bottom C.O. coupling with end cap for cleaning.

Connections:
1. For DWV Service use KIMAX® Adapter Coupling 6665-1515 for 1½" O.D. tubing or 6665-1512 for 1¼" O.D. tubing. Rubber seal only.
2. To connect to 1½" IPS metal or rigid plastic plain end pipe, use KIMAX® B/P Coupling 6661-1500.
3. To connect to 1½" I.D. glass drainline, use KIMAX® Couplings 6650-1500 or 6661-1500.



A. Adapter seal No. 6665-1512 (to connect to ¼" O.D. tubing) (rubber seal)
No. 6665-1515 (to connect to 1½" O.D. tubing)
B. Perforated S.S. screen 1⁄16" dia. holes 6 sq. in. free area opening
C. Removable coupling/end cap for cleanout
D. Min. 3" clearance required under trap for removal of end cap

Use catalog dimensions for piping layout as gasket thickness allowance is included.
*Subject to stock availability / manufactured per order, non returnable.

6665 ADAPTER SEALS

Size	Tailpiece Style	Art. No.
1½ x 1¼	1¼ O.D. tubing	6665-1512*
1½ x 1½	1½ O.D. tubing	-1515

Used to join 1½" beaded KIMAX® Drainline Pipe to 1¼" or 1½" O.D. tubing. Note: Rubber seal only – not recommended where solvents will come in contact with the coupling seal.

6710 SWIVEL DRUM TRAP-P STYLE

Size Inlet x Outlet	A	B	C	D	Body I.D.	Art. No.
1½ x 1½	10¼	8	2½	4¾	3	6710-1515
2 x 1½	10¼	8	2½	4¾	3	-2015
2 x 2	11	9¼	3	5½	4	-2020

6718 TRAP-P STYLE

Size Inlet x Outlet	A	B	C	D	Art. No.
1½ x 1½	7	8	1	5	6718-1515*
[1]2 x 1½	8	8	1½	5	-2015*
[1]2 x 2	8 3/16	8¾	1½	5½	-2020*
3 x 3	10¼	10½	2	6½	-3030*
4 x 4	12¼	12½	2½	7½	-4040*
6 x 6	18⅛	31	3⅜	24	-[2]6060*

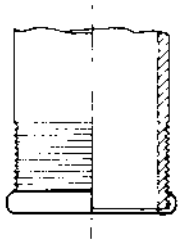
[1] Use No. 6655 adapter coupling for inlet joint.
[2] No cleanouts on 6 x 6 traps – consists of two glass components and one 6650-6000 KIMAX® Coupling.

Use catalog dimensions for piping layout as gasket thickness allowance is included.
*Subject to stock availability / manufactured per order, non returnable.

Accessories and Hardware

Thread adapters are used to provide beaded end on threaded pipe for connecting directly to KIMAX® Glass Drainlines with No. 6650 coupling. All TFE construction.

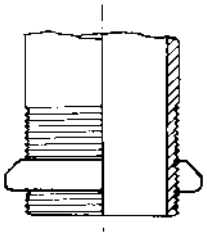
6680 THREAD ADAPTERS (THREADED TO BEADED PIPE)



Size	Art. No.
1½	6680-1500
2	-2000
3	-3000
4	-4000

Adapter No. 6680 will fit standard straight or tapered threads. Used for same size pipe (e.g. 1½" metal to 1½" glass). Ideal for floor drain connections. In 1½", 2", 3", and 4" sizes.

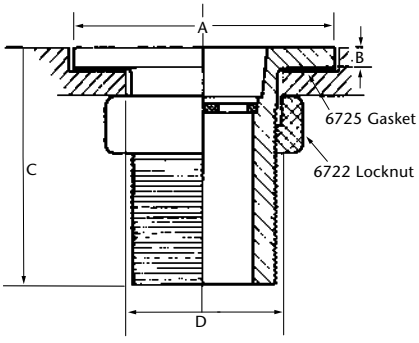
6685 ADJUSTABLE THREAD ADAPTER



Size	Art. No.
2 x 1½	6685-2015

Adapter No. 6685 is designed to mate 1½" threaded tailpieces to 2" expanded inlets for KIMAX® Traps. Can be moved up and down on tailpiece for space adjustments. In 2 x 1½" size only.

6720 SINK OUTLET ASSEMBLY (1½" AND 2" SIZES)



Size	A	B	C	D	Art. No.
1½	3⅜	¼	2¾	2	6720-1500
2	3 15/16	¼	3	2⅝	2000*

Consists of:
6724 sink strainer (black fluorocarbon plastic) 1½" or 2"
6721 and 6721D sink outlet (black fluorocarbon plastic)
6725 gasket-neoprene
6722 locknut

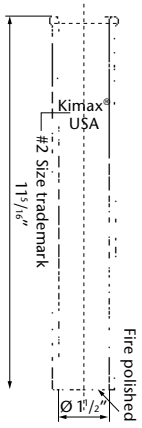
Note: Hand tighten 6722 locknut to sink. DO NOT USE PIPE WRENCH. 1½" and 2" size sink outlets are designed to accept standard overflows.

6724 SINK STRAINER (ALL CUP SINKS)

Size	Art.No.
1½	6724-1500
2	6724-2000

Use catalog dimensions for piping layout as gasket thickness allowance is included.
*Subject to stock availability / manufactured per order, non returnable.

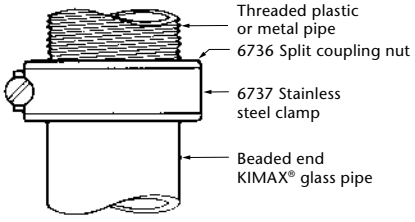
6500 S 264 TAILPIECE



Size	Art. No.
11 5/16 x 1½	6500 S 264

Connection to the sink strainer assembly is accomplished using a 6661-1500 Bead x Plain End coupling.
Tail Piece can be cut to desired length using the standard KIMAX® glass cutter.

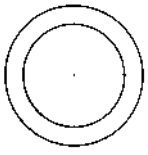
6735 1½" SPLIT COUPLING (THREADED TO BEADED PIPE)



Size	Art.No.
1½	6735-1500

No. 6735, 1½" Split Coupling is used to join 1½" beaded glass pipe to a threaded 1½" I.P.S. pipe.
The assembly consists of:
No. 6736 split coupling nut
No. 6737 stainless steel clamp
To install … remove clamp from split nut. Place split nut over beaded glass end. Replace clamp and tighten with screw driver.

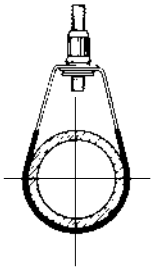
6739 GASKET



Size	Art.No.
1½	6739-1500

To ensure proper application of our split coupling (No. 6735) be sure to also accompany it with our gasket (No. 6739).

7290 (1½", 2", 3", 4", 6" SIZES) PIPE HANGERS (PADDED)



Size	Thread Diameter	Art. No.
1½"	⅜ – 16	7290-1500
2"	⅜ – 16	-2000
3"	⅜ – 16	-3000
4"	⅜ – 16	-4000
6"	½ – 13	-6000

Recommended for horizontal runs. Hangers contain integral cushions. Standard finish on band is A.S.T.M. type L.S. zinc coating.

Use catalog dimensions for piping layout as gasket thickness allowance is included.

Portable Field Cutting Tools

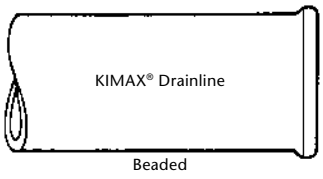
With the KIMAX® Portable Glass Pipe Cutter you can cut 1½" – 6" glass drainline pipe anywhere on the job site. Complete cutter consists of a scoring head assembly, extension, tension arm sub-assembly and 1½" – 4" centering cones and ring stop as shown. Order 6" centering cone separately.

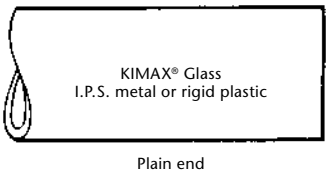
7310-56802 KIMAX® PORTABLE GLASS PIPE CUTTER

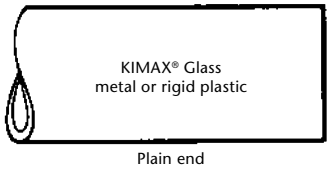
Use catalog dimensions for piping layout as gasket thickness allowance is included.

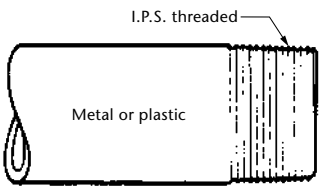
Typical Joint Reference Chart

Type of Pipe

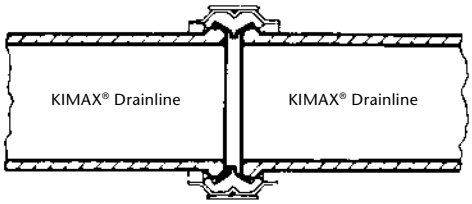


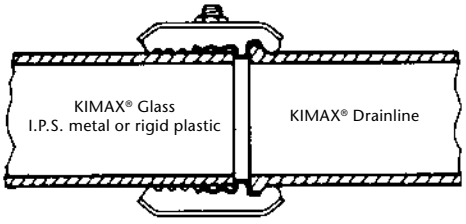


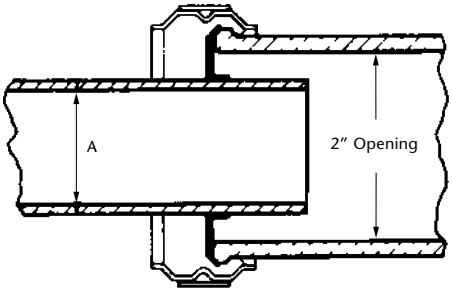


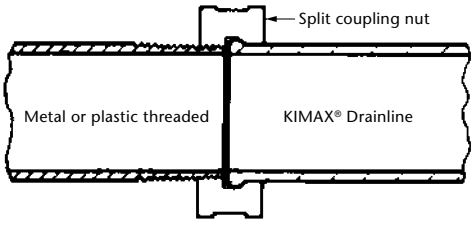


Type of Joint









Material needed

KIMAX® Drainline Coupling 6650

Size	Art. No.
1½	6650-1500
2	-2000
3	-3000
4	-4000
6	-6000

KIMAX® B/P Coupling 6661

Pipe Size	Art. No.
1½	6661-1500
2	-2000
3	-3000
4	-4000
6	-6000

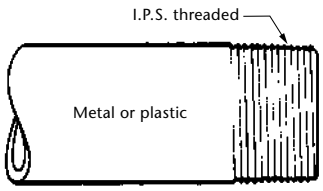
KIMAX® Adapter Coupling

"A" Dimension Pipe O.D.	Coupling Size	Art. No.
1.48–1.53	2 x 1½	6655-2015
1.70–1.78	2 x 1¾	-2017
1.82–1.90	2 x 1⅞	-2018

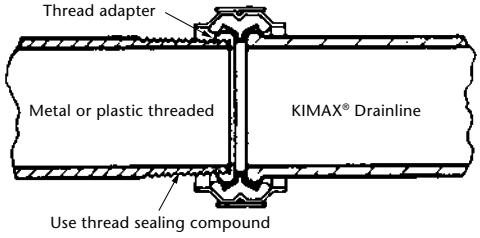
KIMAX® Split Coupling

Pipe Size	Coupling Art. No.	Gasket Art. No.
1½	6735-1500	6739-1500

Type of Pipe



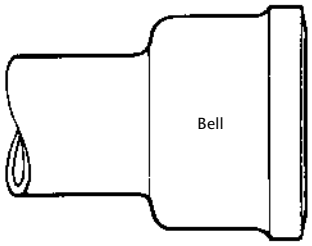
Type of Joint

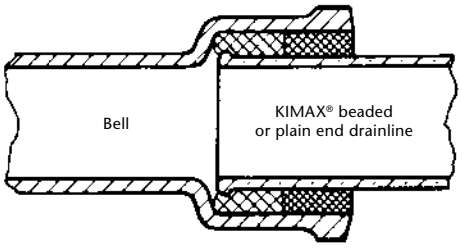


Material needed

KIMAX® Thread Adapter and Drainline Coupling

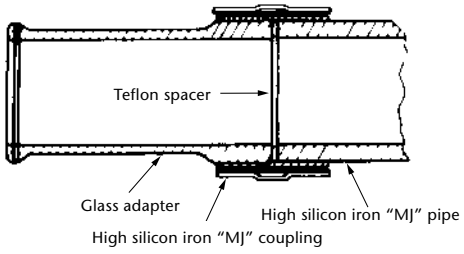
Pipe Size	Adapter Art. No.	Coupling Art. No.
1½	6680-1500	6650-1500
2	-2000	-2000
3	-3000	-3000
4	-4000	-4000





KIMAX® Glass-to-Bell End Pipe

1. Pack hub half full with non-asbestos rope.
2. Caulk with hot lead, lead wool or acid-proof cement. For details, see Drainline Installation Manual.



Glass Adapter to High Silicon Iron "MJ" Pipe

Pipe Size	Adapter Art. No.	MJ Coupling
1½	6566-1500	Furnished
2	-2000	by others
3	-3000	
4	-4000	

Notes

Notes

Notes

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