

BASKET STRAINERS

Series KST, LST

With Non-Jamming, Easy-To-Remove Cover
2" through 8" Sizes

INSTALLATION INSTRUCTIONS

PIPING: The strainer should be installed in an upright position with head clearance for basket removal. Be sure that the piping is aligned with the strainer body connections. Do not force into alignment as stresses could be created that may cause a future failure. If either the inlet or outlet line is above the strainer cover, then a valve must be installed so that the cover can be removed without leakage.

A duplex strainer assembly (parallel installation) with diverting valves is recommended for all sizes where a system cannot be shut down; this enables one strainer to be cleaned while the other is functioning. Consult factory.

CONNECTIONS:

- 1. SOCKET:** Pipe shall be connected to the strainer using solvent cement appropriate for the materials being joined. Follow instructions for application of solvent cement provided by the manufacturer.
- 2. THREADED:** A suitable thread sealant (e.g. Teflon[®] Tape) should be applied to the threads to effect a leak-tight seal. The assembly need only be made hand tight followed by a one quarter turn more with a strap wrench. *Do not overtighten nor use a pipe wrench on plastic pipe.*
- 3. FLANGED:** Tighten all bolts in stages, a little at a time, alternating between bolts opposite to each other. Flange bolts should be tight enough to compress the gasket slightly and make a good seal, but not so tight as to distort the flange. Suitable washers should be used between the bolt head and nut.
- 4. DRAIN PORT:** A drain port is provided at the lower end of the strainer. This port accepts 1/2" NPT female threads and is utilized for draining fluid from the strainer prior to basket removal.

OPTIONAL GAUGE/GUARD PACKAGE: If optional gauge/guard package is provided, follow directions above for threaded connections and connect optional hardware; shown as items 10, 11 & 12 on the reverse side, on the cross-section diagram. **Do Not** disconnect pressure gauges from the gauge guard body.

OPERATION AND BASKET CLEANING

Plast-O-Matic strainers have the flow directed into the basket where the solids are collected. When the basket is full or when the pressure drop across the unit rises too high, the strainer needs cleaning. To empty the basket, follow these steps:

- 1) Shut down system flow and pressure.
- 2) If the inlet or outlet is above the strainer cover, the shutoff valve in that line must be closed, and the strainer body must be drained to avoid spillage.
- 3) If both the inlet and outlet line are below the cover, you have the option of draining or not draining the strainer body. With dangerous liquids it is recommended to drain the body to reduce splashing possibilities and use extreme caution when removing the cover.
- 4) Remove the knobs from the strainer's cover and lift off the cover.
- 5) Grasp the handle of the basket and lift it out. Use extreme caution with dangerous liquids. When cleaning or emptying the baskets do not bang them on a table or handle them roughly.
- 6) To replace, simply reverse the above procedure. Be sure that the O-ring on the cover is clean as well as the top of the body where the O-ring seals.

BASKET STRAINER

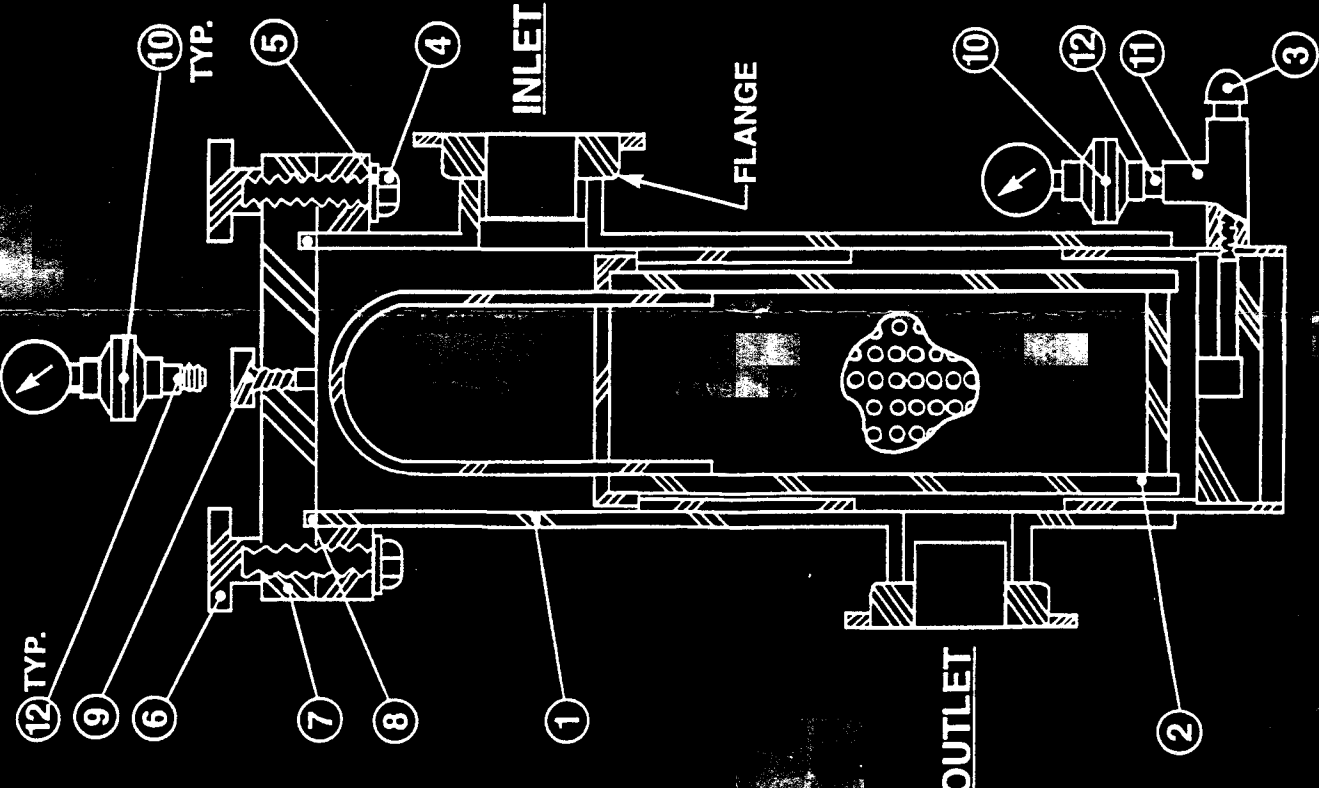
Parts & Installation

ITEM	NAME
1	BODY (SOCKET)
	BODY (FLANGED)
2	BASKET
3	DRAIN CAP
4	BOLT
5	LOCK WASHER
6	KNOB
7	COVER
8	O-RING
9	MALE PLUG
OPTIONAL GAUGE PACKAGE	
10	GAUGE AND GAUGE GUARD ASSEMBLY
11	TEE
12	NIPPLE

INSTALLATION INSTRUCTIONS

Optional Gauge/Guard Package:

All Series ST Basket Strainers can be supplied with Gauge/Guard hardware to measure the pressure drop across the unit. To prevent damage to the pressure gauges during shipment, the optional gauge guard units are not pre-assembled to the basket strainer. To install the gauge/guard assembly (10), remove male plug (item 9) from the strainer cover and install one nipple (item 12) into the threaded hole following the instructions for threaded connections. Next, assemble the gauge guard assembly to the opposite end of the nipple. **WARNING: Do Not disconnect pressure gauge from the gauge guard body.** Similarly, remove the drain cap (item 3) and install the tee (item 11), nipples (item 12) and gauge guard assembly as shown in the cross-section diagram. Reconnect drain cap (item 3) to gauge guard assembly.



PLAST-O-MATIC
VALVES, INC.

1384 Pompton Ave., Cedar Grove, New Jersey 07009
(973) 256-3000 • Fax: (973) 256-4745 • www.plastomatic.com