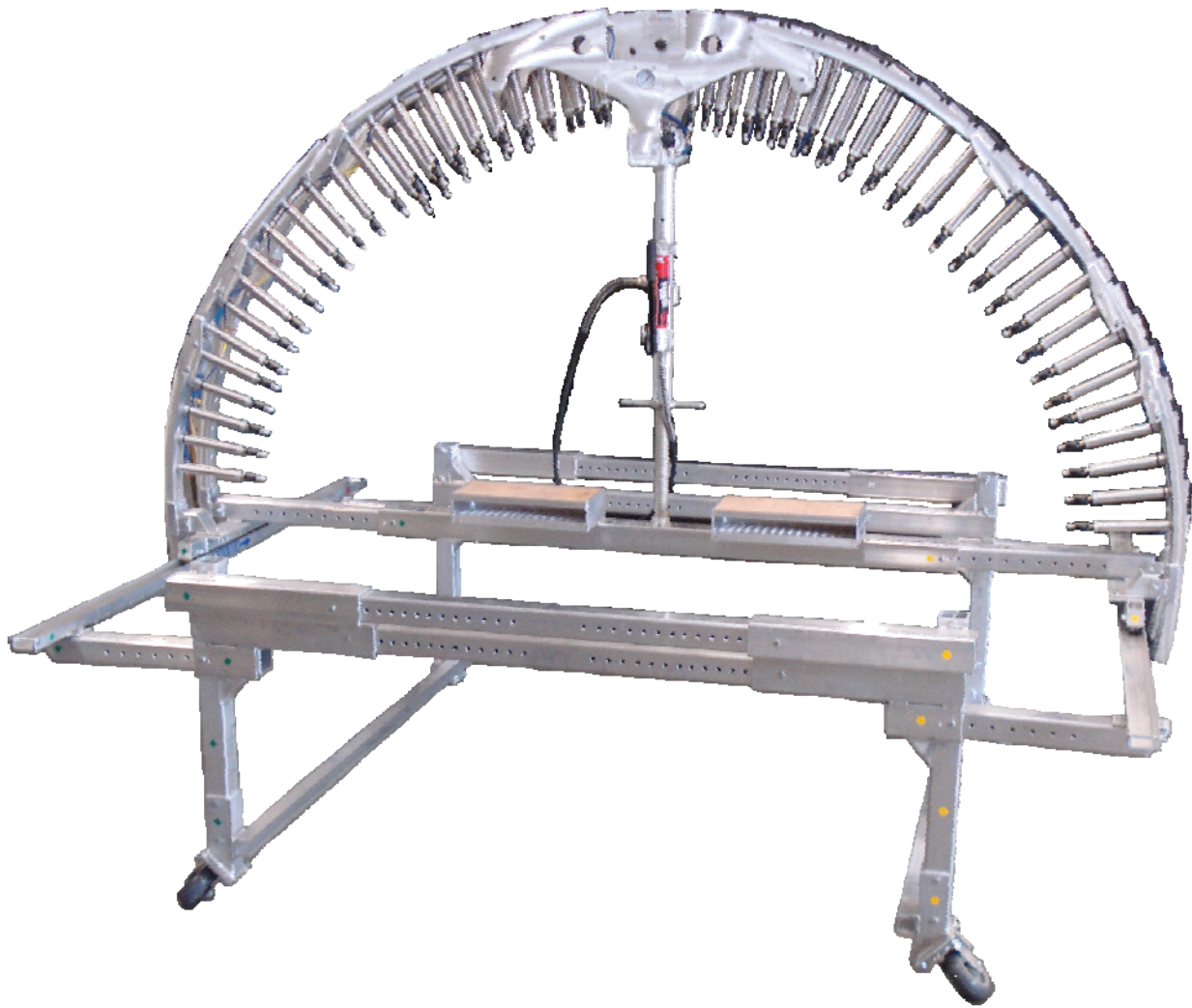




ECON-O-RING BRICKING MACHINE PARTS & INFORMATION



**SPRING RETURN CYLINDERS
REVISION 8-2010**

1144 VILLAGE WAY • MONROE, WA 98272 • USA
800.621.7856 • 360.794.1277 • FAX: 360.805.2521
WEB: WWW.BRICKINGSOLUTIONS.COM / E-MAIL: INFO@BRICKINGSOLUTIONS.COM

ORDER AND SHIPPING INSTRUCTIONS



In order to serve you best and to ensure that you receive the exact parts that you need, when and where you need them, please specify if possible as much of the following information:

- 1) *Machine Model - (Econ-o-Ring)*
- 2) *Machine Serial Number*
- 3) *Part Numbers*
- 4) *Description of the Parts*
- 5) *Quantity Needed*
- 6) *Date Required* (All items are shipped ground unless otherwise specified.)
- 7) *Purchase Order Number / Billing Authorization*
- 8) *Shipping Address*
- 9) *Billing Address*
- 10) *Preferred Shipping Method* (Standard shipping of parts world-wide is pre-paid UPS, added to your invoice. Large or heavy items are sent common carrier. Please contact our parts department for quotes on parts and estimated freight costs.)

For more information, please visit us online at: www.BrickingSolutions.com

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AVOID A LUNG COLLAPSE

The “LUNGS” of our bricking machine is the Lubricator-Filter system. Without this system maintaining clean dry air and continual lubrication to the pneumatic system, the life of the bricking machine would be short lived. Keeping those “LUNGS” breathing smoothly and recognizing the signs of a lung collapse shortens the time ticking away on the outage time clock.

Keep the following replacement parts in stock for a collapse:

- Emergency Shut Off Valve (AF457)
- Filter (AF100)
- Regulator for setting machine air pressure (AR200)
- Lubricator (AL100)
- Check Valve (CV004) (NOTE: the check valve is a safety feature that should not be removed from the machine)
- Lubricator-Filter system (ASM500)

Take a look at your spare parts and consider these items as essential tools needed for you to safely, efficiently, and productively complete refractory installation next time you prepare to set your machine in motion.



Component adjustments during the pre-outage evaluation can significantly reduce down time. The adjustment knob located at the top of the lubricator can be turned to adjust the oil flow. To increase the flow turn the knob clockwise and to decrease it make a counter clockwise turn. The air regulator can also be adjusted by pulling the adjustment knob down, setting the gauge to the recommended pressure setting on the up kiln arch and then pushing the knob in to lock it into place.

Any leakage around the lubricator or filter is warning signs of possible lung collapse. Loss of air pressure is a key warning sign to problems with the regulator. Damaged seals between all components can also cause air leaks. If this occurs, those parts need to be replaced before installation can continue. It is also important to not over work your lungs. This can occur with too much lubrication. Balance is very important. Make certain the lubricator is set for 2-4 drops per cycle of the master valve.

Eliminate problems before installation even begins with a thorough inspection of all components and a pre-outage evaluation. Contact Bricking Solutions to schedule one at your site— 360-794-1277.



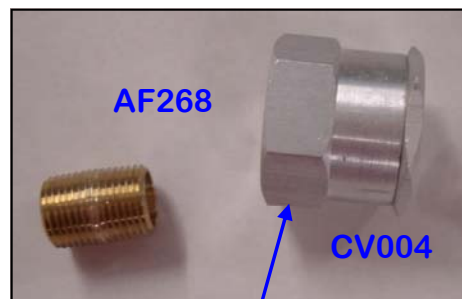
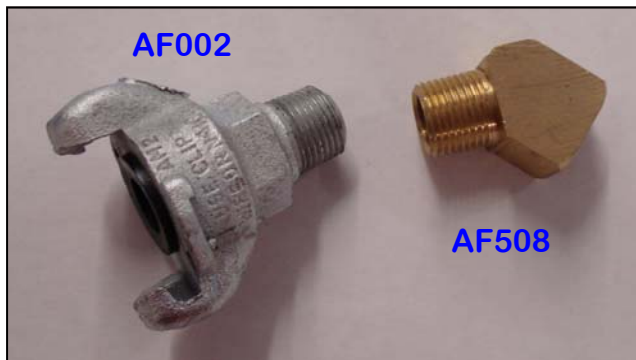
ASM500 - Lubricator / Filter System Complete

Bricking Solutions has made an improved change to our bricking machine's lubricator / filter system. All assembly part #'s will remain the same for this component, but the "mounting" will differ yet not in a big way. Instead of the 4 hole mount that holds it in place the new system will mount using only the 2 top holes in the mounting bracket. The change from four to two brackets won't affect the strength of the bracket when in position as the mounting brackets provided on the new system are designed with the change in mind.



The connectors between all parts (Emergency Shut Off / Filter / Regulator / Lubricator / Check Valve) are much stronger and holding performance is greatly improved over the previous system. Another improvement is a finger tip operated drip setting. Yes, no more tiny screwdriver needed to set the 2-4 drips per cycle of master valve, now this can be done by hand, setting lubrication flow without any special tool required.

If the ability of getting machine air pressure set within our recommended 90-120 psi becomes unachievable, it may be due to the simple fact that within the filter housing is a "FILTER" and it is possible to see a drop in machine pressure by as much as 20 psi when this filter becomes plugged. If while working with your or a customer's machine, where the machine pressure drops during use, the culprit may simply be a plugged filter.



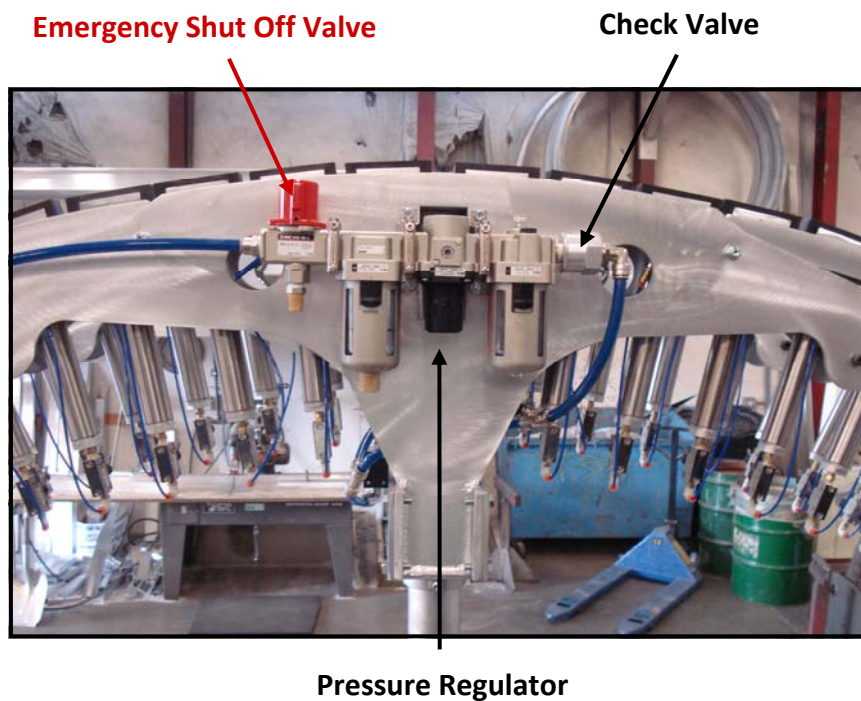
CHECK VALVE
Temporarily keeps cylinders from dropping due to a sudden loss of plant air

TESTING CYLINDERS AND FILTER-REGULATOR SYSTEM

A CHECK VALVE IS REQUIRED. The Check Valve will stop cylinders from retracting if the plant air is lost for a short time. This will prevent the cylinders from loosing air and keep brick from falling to prevent injury. Note the air shut off valve next to the regulator can be twisted down at anytime which will stop the flow of air to and from the pneumatic system without turning off the air supply at the compressor. Test the pneumatic systems. Extend each cylinder individually by activating the cylinder knobs.

Keep all hoses and cords off the kiln floor. Do not extend or retract cylinders when air is off. If machine air pressure drops below 80 psi, remove unkeyed brick until air is reconnected. Make certain everyone working with the machine knows the location of the shut off valve in case of an emergency. Prevent pinched fingers & injuries when activating the master valve up or down by verbally announcing "CLEAR HANDS".

The Filter-Regulator system is the most important component of our bricking machines. Never run the pneumatic system without this system working properly as this will shorten the life of the pneumatic cylinders. Without preventative maintenance and basic repair knowledge, their failure can result in a work cessation. Always keep spares available.



AIR CYLINDERS



Cylinder Maintenance Note:

When using mud or other adhesives it is imperative to maintain clean cylinders. When mud gets on the shaft and hardens, it will break down the top seal. This seal can not be replaced. The whole cylinder would have to be replaced. We suggest using a silicone spray to keep the mud from sticking to the shaft and wipe down according to the mud's drying time. The faster the dry time the more often you will need to wipe down the shafts and re-spray with silicone. You can also cover the arches with plastic to protect the cylinders from unwanted build up of mud or other debris.

Cylinders & Parts

(A) AC004 - Spring Return Cylinder

(B) AC005 - Valve in Base Cylinder

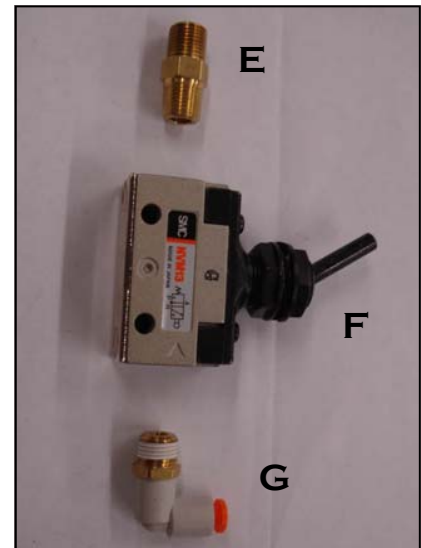
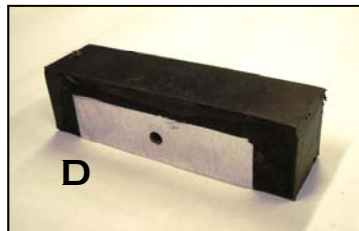
(C) AC006 - Center Arch Cylinder

(D) CB470 - Bumper

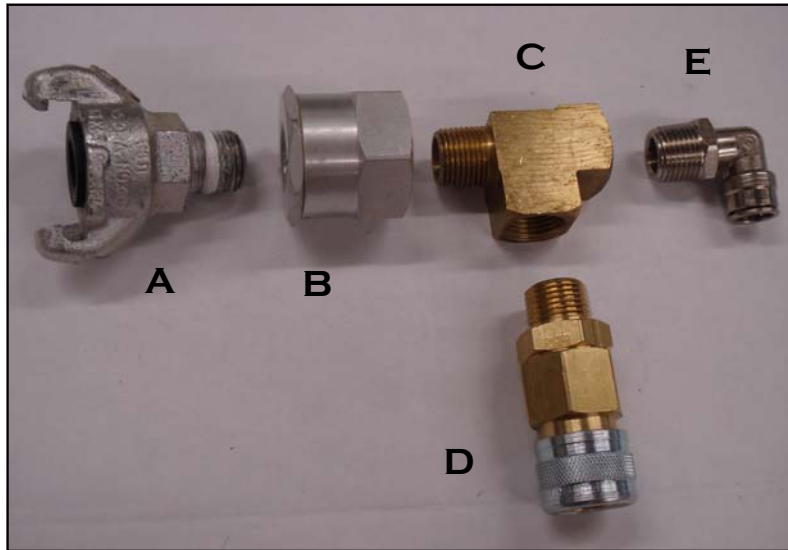
(E) AF252- Hex Double Nipple

(F) TS108 - Toggle Switch

(G) AF735 - 1/8" Elbow



AIR FITTINGS



Plant to Filter System Airway
3/4" Fittings

(A) AF002 - Chicago Fitting

(B) CV004 - Check Valve

(C) AF506 - Street T Fitting

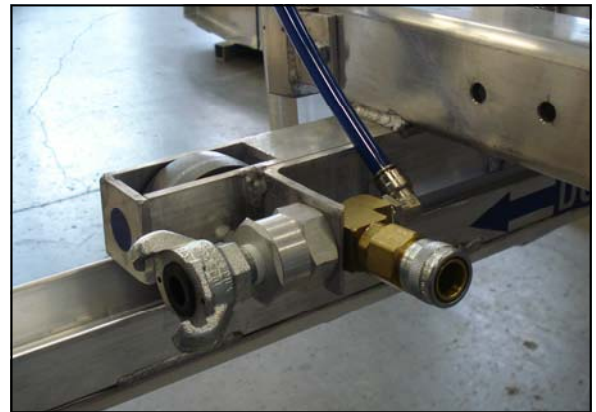
(D) AF739 - Quick Release

(E) OT988 - 3/4" Elbow to 1/2" Hose

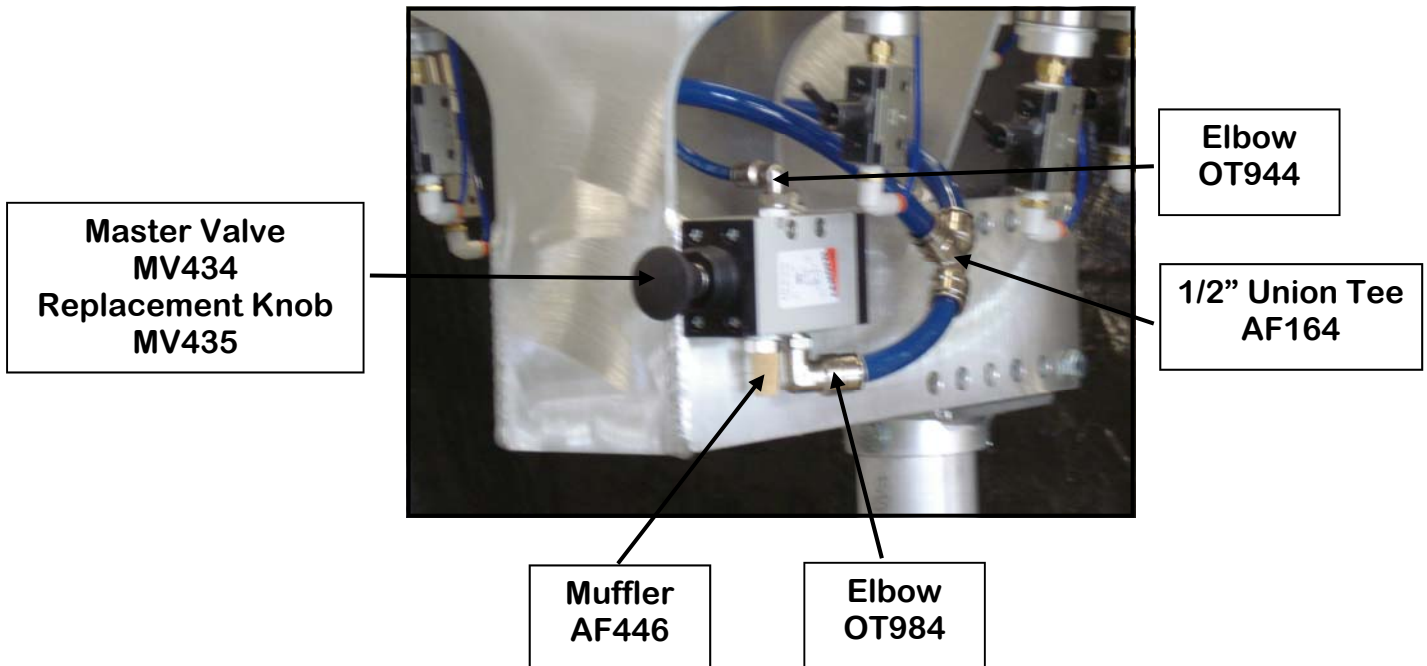


Union Tee 1/4" - OT644

Reducer 1/4" to 1/8" - OT924



VALVE SYSTEM



Master Valve
MV434
Replacement Knob
MV435

Elbow
OT944

1/2" Union Tee
AF164

Muffler
AF446

Elbow
OT984

CASTER AND WHEEL

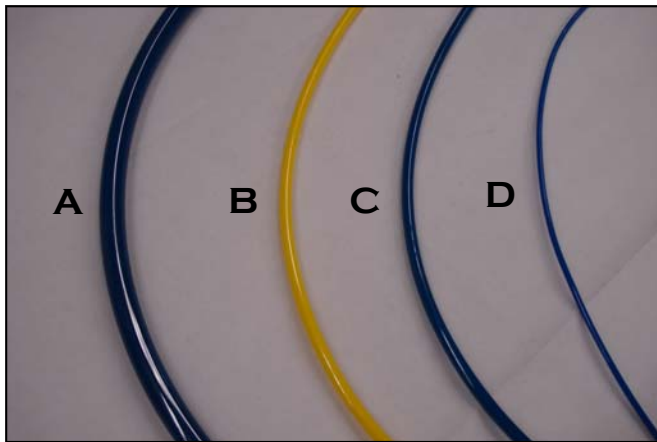


**Steel Wheel
WS745**



**Caster
WC520**

REPLACEMENT HOSE



**Quick Connect Air Tubing
(By the Foot)**

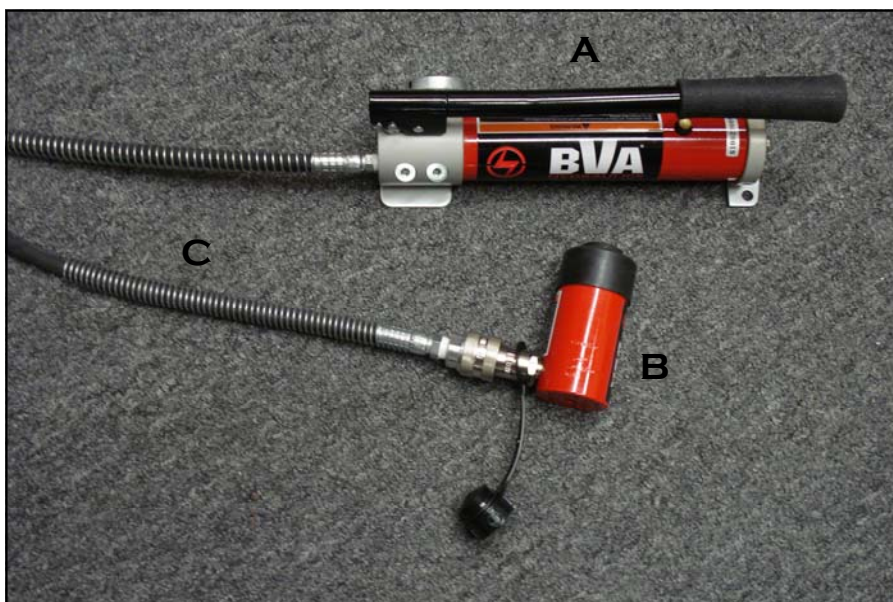
(A) AH809 - 1/2" Blue Hose

(B) AH003 - 1/4" Yellow Hose

(C) AH001 - 1/4" Blue Hose

(D) AH005 - 1/8" Blue Hose

LONG JACK



Long Jack

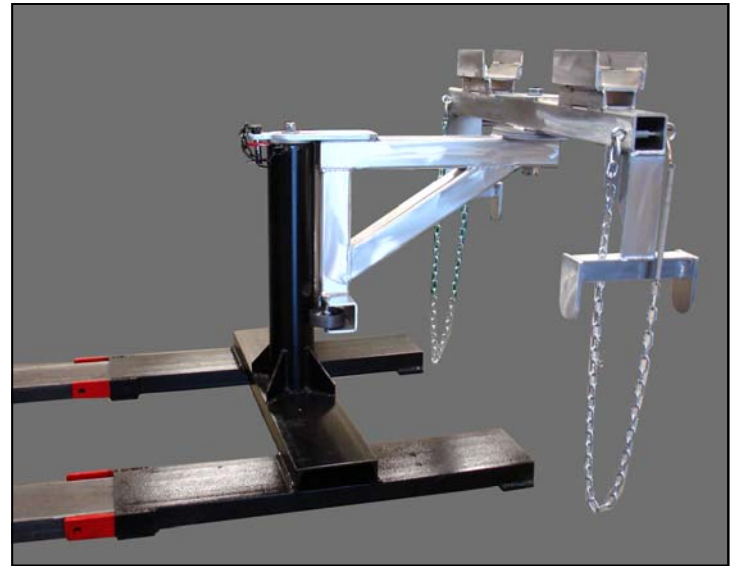
(A) AP141—Hand Pump

(B) RC102— Jack Cylinder

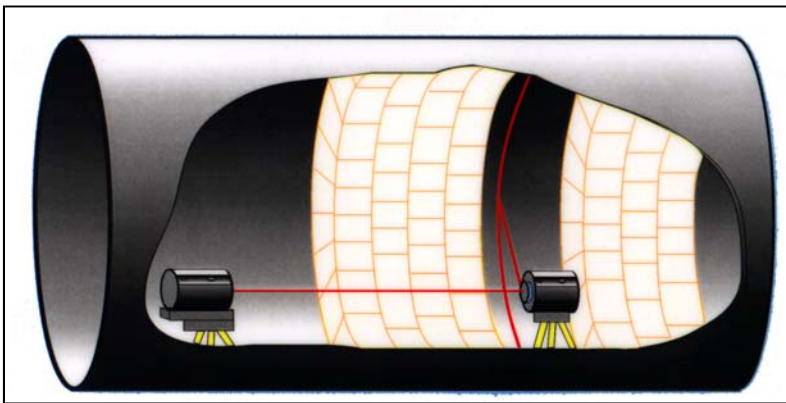
(C) ASM726—Jack Hose



Conveyors



Fork Truck Bracket
Arch & Frame Carrier



Precision Laser Brick Alignment System



Port-A-Trac



Personnel Protection Safety Inspection
Cages



Kiln Access Ramps



Custom Bedding Carts

FOR MORE INFORMATION ON
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