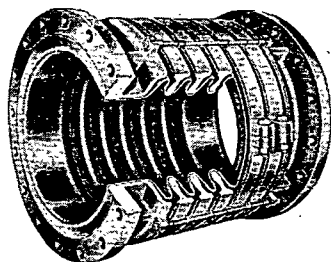


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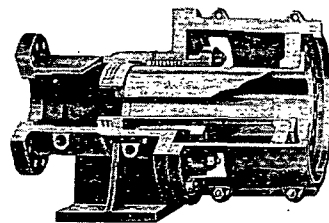
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EXPANSION JOINTS—HEAT EXCHANGERS
STEAM TRAPS—STRAINERS—METERS
SEPARATORS



PACKLESS EXPANSION JOINTS

Adscop's Corrugflex packless expansion joints absorb pipe expansion and are adaptable to any piping condition. They are made in two basic types. The self-equalizing joint is used for various types of motion and is suitable for pressures to 300 psi and higher. The non-equalizing type is generally used to absorb vibration and a small amount of expansion under vacuum or pressures to 30 psi. Depending on the type of metal used in the expansion element, these joints are suitable for temperatures from sub-zero to 1600 F. With variations in design, these joints will absorb axial, lateral, or angular motion, or any combinations of these motions. Some types handling these conditions are the universal, hinge, swing, gimbal, tie-rod, balanced, and anti-compression joints. They are made in nominal pipe sizes ranging from 3 in. to 54 in., with single or multiple corrugations. Most types can be supplied with covers to permit joints to be fully insulated and to prevent foreign matter from being lodged between the corrugations. When used for axial movement, joints can be equipped with internal guide sleeves to provide a guiding feature and rigidity. For other purposes they can be equipped with telescoping inner sleeves to reduce turbulence in the fluid being handled.



SLIP-TYPE JOINTS

Slip-type expansion joints, designed for axial motion, offer long traverse, low initial cost, and produce minimum stresses and strains on pipe anchors. With proper maintenance, they will last as long as the pipeline. The piston-ring joint, illustrated above, with internal-external guiding, can be unpacked and repacked under full line pressure because of its piston-ring feature. The polished, chrome-plated slip is in contact with packing only. Hence, it cannot be scored by metal-to-metal contact. Packing can be quickly lubricated to prolong its life. The slip in the internally-externally guided joint is fully supported at both ends throughout its entire length of travel. The gland is not used as a guiding feature. The internally-guided joint, being more compact, is especially recommended for use where space is limited. Adscop slip joints are furnished in both single and double units, with flanged ends or welding ends. Sizes range from 1½ in. to 48 in. and traverse per slip is 4 in., 8 in., and 12 in. Semi-steel joints can be used for working pressures to 250 lbs and temperatures to 450 F. Steel joints can be used for working pressures to 400 lbs and temperatures to 800 F.

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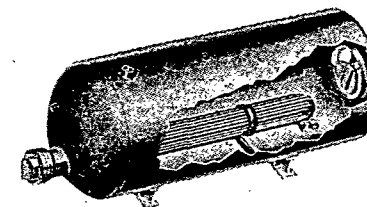
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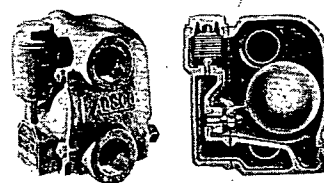
INSTANTANEOUS HEATERS

Adscop instantaneous heaters are made in a large variety of types, including the simple U-bend instantaneous heater, shown above, which is used to heat water for showers, dishwashers, laundries, and other purposes. Many straight-tube, float-head units are used as closed feed-water heaters, boiler blow-down heaters, and for various uses in the process industries. The more simple designs heat water for general service, for space heating, for cooling, etc. Other designs are used as suction oil heaters and oil preheaters; still other designs, in high-temperature, high-pressure hot water installations for heating purposes.



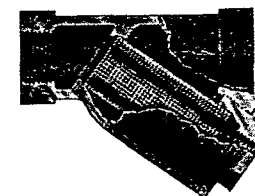
STORAGE HEATERS

Adscop storage heaters are built in accordance with the ASME code for working pressures desired. Tanks are made of flange-quality steel, nickel-clad or stainless-clad steel, or copper silicon alloy. Where alloy tanks are used, tube sheets are of non-corrosive metal, so that service water does not come in contact with any ferrous parts. Steel tanks can be lined with Adscop Phenolic 6-2 or Adscop bitumastic to prevent corrosion. All units are equipped with cold-water spreaders. Manholes are heavily reinforced. Copper U-bend heating element is easily removed for cleaning.



DUAL STEAM TRAPS

No breaking of pipe connections to inspect and service Adscop dual steam traps. All working parts are mounted on the cover. Reversible valve and seat double life of trap. Automatic air bypass provided in type T, shown above, by internal thermostatic element. Extremely compact with large capacity. Dual inlet and outlet connections.



STRAINERS

Protect regulators, pumps, valves, or traps with Adscop strainers. They remove foreign matter from lines before it reaches expensive equipment. Screen is held securely by gasketed cap and special tapered fit. Furnished in semi-steel, bronze, or cast steel body, with perforated sheet or wire mesh screens of metal suitable for service. All sizes through 14 in.