

Durant Insulated Pipe Company

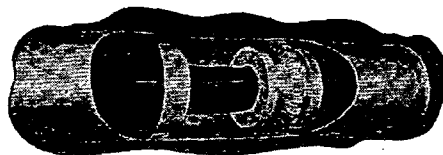
Demeter Street off Bay Road
Palo Alto, California

Eastern Division:
Durant International Corporation
Williamstown, New Jersey

REPRESENTATIVES IN PRINCIPAL CITIES



DURANT Pre-Sealed INSULATED PIPE



APPLICATION

D. I. P. is used in underground and weather-exposed locations for conveyance of steam (1 to 1000 psi); hot water, and refrigerants. It is used for new lines, for replacement of worn-out lines, or for use in an existing tunnel where waterproofing is required. It is fabricated, in standard lengths, in pipe sizes up to 24 in. Larger sizes available on order.

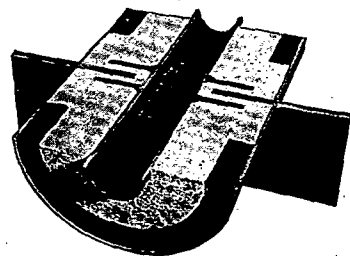
SPECIAL FEATURES AND FACTS ON D. I. P.

D. I. P. is a pre-sealed insulated conduit that does not depend on a metal jacket for protection from moisture, leakage and corrosion. A 1 in. layer of high-melting-point, non-porous asphalt is the waterproofing protection.

By design, Durant's Patented Supporting Ring allows asphalt to flow through openings during fabrication to completely encase the ring. Water or moisture cannot pass through D. I. P. casing to the insulation or pipe.

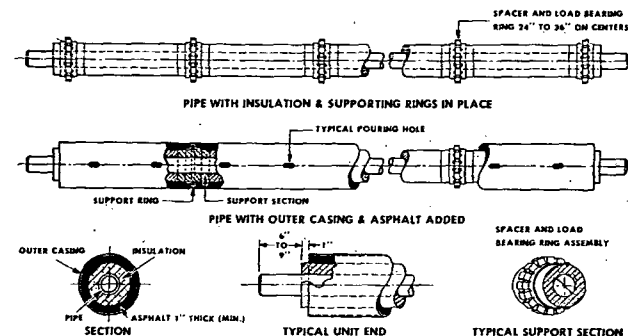
Durant's Patented Insulated Anchor eliminates contact between anchor plate and pipe; reduces heat loss; provides electrical as well as thermostatic insulation, and eliminates corrosive electrolytic action.

Use of D. I. P. affords many other advantages—such as low cost installation, for the Durant field joint can be made swiftly and easily. D. I. P. does not re-



quire external casing-welding; nor does it require concrete tunnels, slabs, rollers, supports, drains or additional protection for superimposed loads—such as under roadways or railroad tracks.

D. I. P. systems have an exceptionally long service life. Many a D. I. P. system of over 25 years' service is functioning efficiently today.



DESCRIPTION AND CONSTRUCTION

D. I. P. is a prefabricated, factory-built, insulated and waterproofed pipe. It is constructed by first encasing pipe (steel, wrought iron, copper, brass or alloys) in Unibestos, molded 85 per cent magnesia, Spongefelt, or other insulation, sufficiently thick to insure insulation surface temperature not above 150 F. Loose-pack material is not used.

Over both pipe and insulation, patented Durant supporting rings are slipped, not more than 36 in. apart. A heavy gage sheet-metal casing, circular in form, is placed around the supporting rings, allowing a 1 in. (minimum) space between insulation and casing. This space is filled with a high-melting-point, non-porous asphalt. Special methods are used during pouring to obtain thorough distribution of asphalt, eliminate pockets and maintain uniform thickness. D. I. P. conduits

are circular in cross-section on all single line units. Multiple pipe systems are either circular or oval, depending on the pipe sizes involved.

A variety of standard, prefabricated accessory items are available—such as tees, ells, expansion loops, anchors, pipe supports, and other items which may be required for completely prefabricated piping systems. Fabrication is made in accordance with shop drawings which must be approved by engineer and contractor prior to shop fabrication.

Units are shipped, marked for assembly in the field, and are accompanied by all materials and instructions for the making of field joints.

Durant's engineering staff and representatives are at your service. Write for recommendations, estimates, or new Catalog D-53.

The packed type end cap is used where conduit terminates in a space such as a manhole or yardbox, or other location where submersion in water can occur and where piping is not anchored at terminal. This type is constructed of a compression coupling packed with a high temperature asbestos gasket. The coupling bolts and sleeve are welded to a heavy gage section of outer casing. This type end cap permits the pipe to expand and still remain water tight.

