

Flexonics Corporation**EXPANSION JOINT DIVISION**

(Formerly Chicago Metal Hose Corp.)

Maywood, Illinois

District Offices
 Boston Cincinnati Cleveland Detroit Ft. Worth
 Los Angeles New York Philadelphia St. Louis San Francisco
 In Canada: Flexonics Corporation of Canada, Ltd., Brampton, Ontario

FLEXON CONTROLLED-FLEXING EXPANSION JOINTS

For pressures up to 300 psi—temperatures to 800 F

The control rings of FLEXON Controlled-Flexing Expansion Joints provide guided flexing of the joint and prevent any permanent deformation of corrugations. Control rings are firmly anchored into corrugations to close working dimension tolerances. Expansion travel up to $7\frac{1}{2}$ in.

may be secured with a single FLEXON Expansion Joint.

Standard sizes from 3 in. to 48 in. I.D. in either stainless steel or copper. Available with or without stainless steel internal sleeves.



FLEXON Controlled-Flexing Expansion Joint with flanged ends.



FLEXON Controlled-Flexing Expansion Joint with Welding Ends.

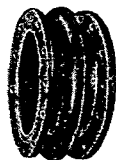
FLEXON FREE-FLEXING EXPANSION JOINTS

For pressures up to 30 psi . . . temperatures to 800 F

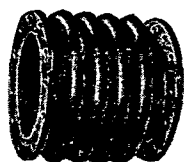
FLEXON Free-Flexing Expansion Joints are made with single or multiple corrugations. Designed for expansion travel up to $3\frac{1}{2}$ in. per unit. Additionally, misalignment correction or offset motion is

calculated at $\frac{1}{16}$ in. per corrugation when two or more corrugations are used.

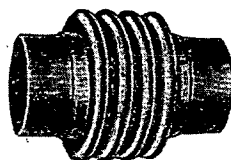
Standard sizes from 3 in. to 48 in. I.D. in either stainless steel or copper. Available with or without stainless steel internal sleeves.



Single Corrugation FLEXON Free-Flexing Expansion Joint with flanged ends.



FLEXON Free-Flexing Expansion Joint with multiple corrugations and flanged ends.



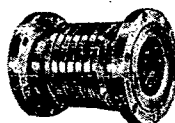
FLEXON Free-Flexing Expansion Joint with welding ends.

FLEXONIFLEX EXPANSION JOINTS

For pressures to 5500 psi . . . temperatures to 1600°F

FLEXON FLEXONIFLEX units make it possible to utilize the expansion joint's advantages of compactness and simplicity of installation at pressures far beyond those which had previously been considered safe. While units have been designed for pressures of 5500 psi, pressures in excess of this may be handled by units of special design.

Standard FLEXONIFLEX units have stainless steel pressure carriers of the bellows type formed within integral control rings and end sections. They are available in single or multiple ply, lined or unlined. Sizes range from $\frac{1}{2}$ in. pipe through 6 in. pipe.

**Arthur Harris & Co.**

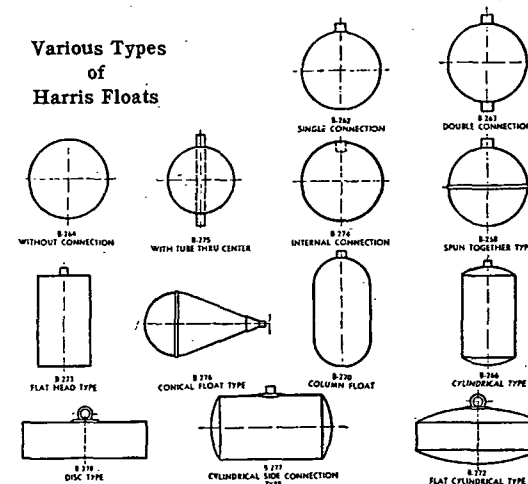
210-218 N. Aberdeen Street

Chicago 7, Ill.

Engineers—Metal Float Manufacturers

Floats Fabricated of Aluminum, Brass, Copper, Admiralty, Everdur, Monel, Nickel, Inconel, Stainless Steel, Type 304, Type 316, etc., Steel and other Workable Metals

Floats can be plated with copper, nickel, chrome, zinc, tinned, or lead coated. Special connections can be furnished where required, but standard B-262 ball floats are provided with standard female pipe spuds—unless special connections are ordered. Stainless steel, steel, nickel and monel floats, are suitable for high pressure and high temperature. Where corrosion is a factor, our catalog should be consulted so that floats of suitable material can be furnished. Open tank floats can be loaded with sand, lead or steel to bring them to a desired weight. Aluminum floats are vulnerable to corrosion by many solutions, but also give satisfactory results when properly used.

**Various Types
of
Harris Floats**

Seamless copper ball floats carried in stock in diameters of 3 in., 4 in., 5 in., 6 in., 7 in., 8 in., 10 in., and 12 in. for open tank. . . . 25 lb, 50 lb, 100 lb, and 150 lb working pressure. Special size and pressure copper floats made to order.

Stainless steel ball floats $2\frac{1}{2}$ in. to 12 in. diameter for high pressure and corrosion carried in stock. Special stainless steel floats made to order.—Ball floats in copper to 18 in. and stainless steel to 14 in. diameter are made to order. Consult our Engineering Department when you have float problems. Catalog on request.

Copper plated—braced joint—steel ball and special floats for high and low pressure. Ask for Special Bulletin on these steel base floats.