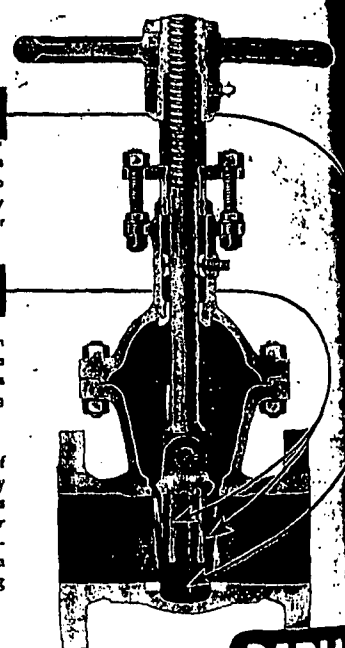
How Darling Cast Steel Gate Valves

AVOID TROUBLE
REDUCE MAINTENANC



SLOTTED WEDGE

Allows compression of the wedge. Compensates for valve body expansion or contraction due to temperature changes. Thus tight closing and easy opening are assured, with far less wear and tear on wedge faces and seats.

DOUBLE-GROOVED WEDGE

Double grooves, with corresponding twin ribs in valve body, provide twice the usual bearing area for lasting, trouble-free alignment. Eliminates wedge canting, due to line pressure, preventing damage to downstream seat.

These are only two of the many "ounces of prevention" built into Darling valves. They always add up to gate valve performance at its low-cost best! Give Darlings a chance in *your* service and you'll see for yourself. The 300-page Darling Catalog No. 17M, full of data of general value and description of Darling valves of *all* types, is yours for the asking.

Darling Gate Valves, noted for outstanding quality, strength and precision, are made in a wide range of sizes, types and constructions for all kinds of normal and unusual service . . . and for pressures up to 1500 pounds. In addition to the slotted wedge types, there are solid wedge taper seat valves and the famous Darling Fully Revolving Double Disc Parallel Seat Gate Valves for virtually any service.

FOR PLUS VALUES,

JOB-PROVED AGAIN AND AGAIN . . .

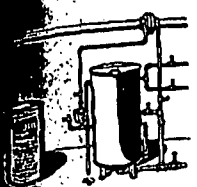


DARLING VALVE & MANUFACTURING CO.

Williamsport 8, Pa.

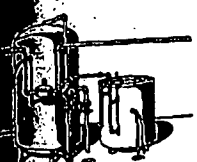
Manufactured in Canada by Sandilands Valve Manufacturing Co., Ltd., Galt 19, Ontario

Which of these methods will best fit your water conditioning needs?



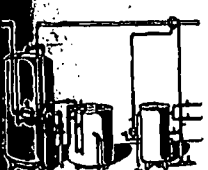
CHEMICAL FEED

individually prepared Elgin alone will effectively prevent and corrosion.



ZEOLITE SOFTENING

softener will efficiently eliminate and fine deposits.



ZEOLITE – POST TREATMENT

softener, supplemented by chemical not only eliminate hardness, but corrosion.

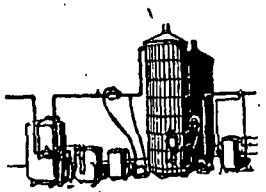
FOR AN UNBIASED ANSWER . . . CALL YOUR ELGIN MAN

Chances are that one of these basic Elgin systems will fit your water conditioning needs. If not, there is no limit to the number of systems we can "tailor" to your exact requirements and budget.

Whether a simple chemical feed system, a zeolite water softener, one of the many ion-exchange combinations, silica and CO_2 removal, or deionization for the highest quality water known today — you may be sure Elgin can provide the type of system required to produce water of the exact characteristics you require.

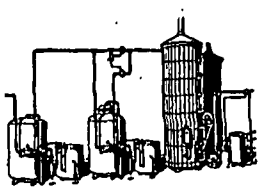
Nearly a half century of water conditioning experience is yours for the asking

Most important is the fact that Elgin's skill and experience, gained through nearly a half century devoted exclusively to the field of water conditioning, is yours for the asking — through our district engineer in your vicinity. Write, wire or phone, and we will put him in touch with you.



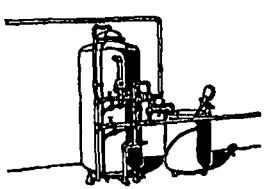
4 ZEOLITE – ALKALINITY NEUTRALIZATION

Water of low-controlled alkalinity, with CO_2 removed, can be produced by acid feed and degasification following zeolite softening.



5 SODIUM – HYDROGEN SOFTENING AND DEGASIFICATION

Blended effluents from a sodium zeolite softener and a hydrogen zeolite softener, followed by degasification, give water in which total solids and alkalinity is reduced and CO_2 is removed.



6 DEIONIZATION INCLUDING SILICA AND CO_2 REMOVAL

Single-tank Ultra-Deionizer produces the equivalent of distilled water, free from silica and CO_2 at amazingly low cost.



ELGIN SOFTENER CORPORATION

130 North Grove Avenue, Elgin, Illinois