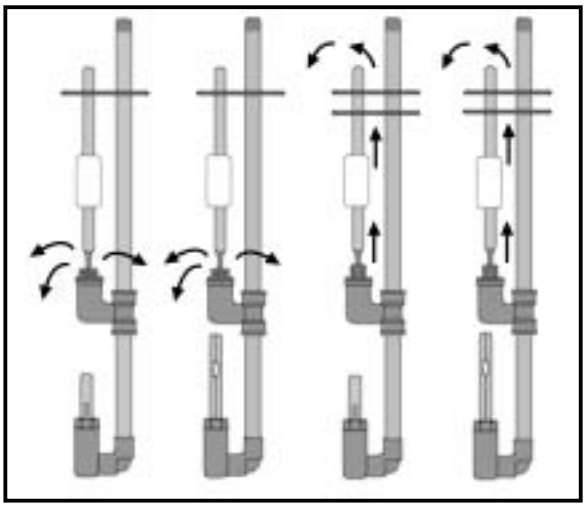
mattson/witt
PRECISION PRODUCTS, INC.

BRINE CONTROL VALVES

TOUGH STUFF® Brine Control Valves are considered by many professionals to be the best in the commercial/industrial water treatment industry. Since its introduction in 1957, our brine control valve has seen numerous improvements based on years of service in the field. Our expertise in plastics machining has contributed to its proven performance and longevity.

CONVENTIONAL VALVE OVERHEAD REFILL



Design "A" (set brine check) | Design "B" (adjustable brine check) | Design "C" (set brine check) | Design "D" (adjustable brine check)

TOUGH STUFF Brine Control Valves operate hydraulically, not electrically. This ensures reliable operation of the float and check mechanism responsible for refilling a brine tank. In a power outage, should the softener valve freeze in refill mode, TOUGH STUFF Brine Control Valves will prevent overfilling of the brine tank.

Four designs are available for a variety of applications. All four feature an adjustable refill float to accommodate grid plates of varying heights. Designs "B" and "D" offer an adjustable brine check that allows a field technician to determine the amount of saturated brine left in the brine tank after draw. Designs "C" and "D" are offered for applications involving oddly shaped or unusually large brine tanks, or extra deep brine wells. Tubing can be attached to Designs "C" and "D" to disperse water to a specific area of a brine tank during refill. Designs "A" and "B" in 3/8", ½" and ¾" have been our most popular and are stocked for immediate shipment.

TOUGH STUFF Brine Control Valves are manufactured using plastic components and seals suitable for saturated brine solution as well as potassium permanganate. All four designs are compatible with a variety of electronic softener valves including those from Autotrol and Fleck.

TECHNICAL SPECIFICATIONS

Maximum recommended operating temperature .....140°F (60°C)
Maximum recommended operating pressure.....75 PSI
Materials.....PVC, ABS & EPDM
Brine well size.....4" (easily adaptable to 5")

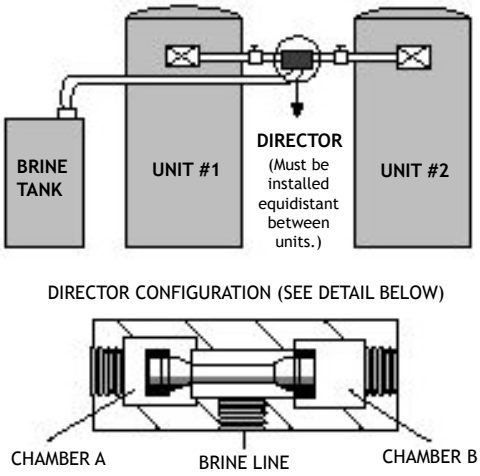
STOCKED BRINE CONTROL VALVES	
ITEM	DESCRIPTION
H6000-38	BRINE VALVE .375" MPT TYPE A SET BRINE CHECK
H6000-38B	BRINE VALVE .375" MPT TYPE B ADJUSTABLE BRINE CHECK
H6000-A	BRINE VALVE .5" MPT TYPE A SET BRINE CHECK
H6000-B	BRINE VALVE .5" MPT TYPE B ADJUSTABLE BRINE CHECK
H6001	BRINE VALVE .75" MPT TYPE A SET BRINE CHECK
H6001-B	BRINE VALVE .75" MPT TYPE B ADJUSTABLE BRINE CHECK
H6001-C	BRINE VALVE .75" MPT TYPE C OVERHEAD REFILL, SET BRINE CHECK
H7073	BRINE VALVE 1" MPT TYPE A SET BRINE CHECK
H7075	BRINE VALVE 1.25" MPT TYPE A SET BRINE CHECK

TOUGH STUFF®

28W005 INDUSTRIAL AVENUE, BARRINGTON, ILLINOIS 60010 // PHONE: 800 663 4371 // FAX: 800 833 5593 // WWW.MATTSONWITT.COM

BRINE PICK-UPS

TOUGH STUFF® BRINE PICK-UPS are available in special lengths.
Please contact us to dicuss your specific needs.



TECHNICAL SPECIFICATIONS

Maximum recommended operating temperature . . . .140°F (60°C)
Maximum recommended operating pressure . . . . . .150 PSI
ΔP @ 5 ft/sec. velocity . . . . . .≤ 1 PSI
Material . . . . . .PVC, ABS, & polypropylene

HOW THE BRINE DIRECTOR WORKS: When Unit #1 begins regeneration, the pressure drop in the tank causes the double seat in the director to move to the left. The water pressure in Unit #2 presses the valve against the seat in Chamber B, holding Chamber A open, and drawing brine from the brine tank, through the brine valve, through Chamber A, and into Unit #1. The brine tank is refilled via the same route. When Unit #1 has finished its cycle and is back in service, the pressure becomes equal in both tanks, returning the brine director to neutral. When Unit #2 begins regeneration, the process repeats. The brine draw and refill level is controlled by the brine valve as in a conventional brining system.

STOCKED BRINE PICK-UP TUBES	
ITEM	DESCRIPTION
HBPU636	BRINE PICKUP TUBE MPU-14X36"X.375" OD TUBE
HBPU436	BRINE PICKUP TUBE MPU-5X36"X.375" OD TUBE
HBPU836	BRINE AIR CHECK BPUACX36"X.375" OD TUBE
HBPU848	BRINE AIR CHECK BPUACX48"X.375" OD TUBE
K4560009-MCH	COMMERCIAL AIR CHECK 60"X1.050" OD TUBE

H6062
Two step socket for 0.375" and 0.540" O.D. pipe. screen size is 0.005" (approximately 110 mesh).

H6061
Two step socket for 0.375" and 0.540" O.D. pipe. Screen size is 0.014" (approximately 45 mesh).

H6060
Air check only.
Two step socket for 0.375" and 0.540" O.D. pipe.