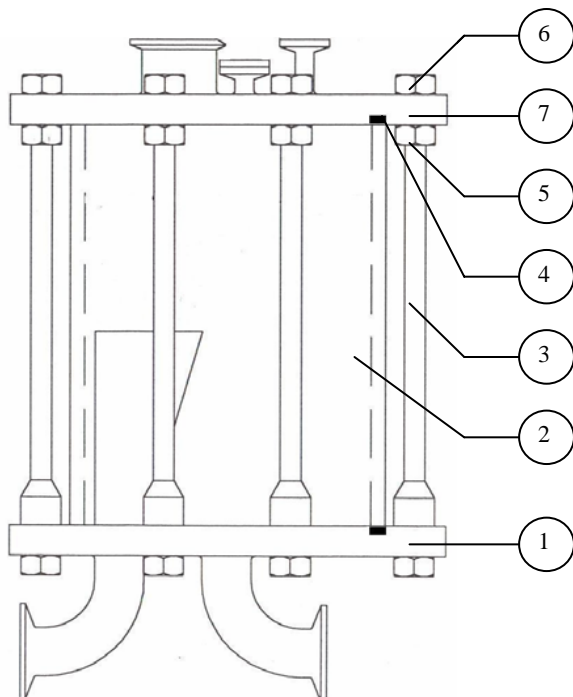


#53B Bubble Trap Installation & Operations Manual



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Item	Lower Flange*	Glass**	Studs	Gasket***	Nut	Nut (with Insert)	Top Flange*
	1	2	3	4	5	6	7
53B-3	530989BX	530053-X	530022B	530046-X	4413-2	4414-2	530989TX
53B-3L	530989BX	530053L-X	530022BL	530046-X	4413-2	4414-2	530989TX
53B-3XL	530989BX	530053XL-X	530022BXL	530046-X	4413-2	4414-2	530989TX
53B-4	530991BX	530052-X	530022B	530047-X	4413-2	4414-2	530991TX
53B-4L	530991BX	530052L-X	530022BL	530047-X	4413-2	4414-2	530991TX
53B-4XL	530991BX	530052XL-X	530022BXL	530047-X	4413-2	4414-2	530991TX
53B-4XXL	530991BX	530052XXL-X	530022BXXL	530047-X	4413-2	4414-2	530991TX
53B-6	530990BX	530051-X	530023B	530048-X	4423-2	4424-2	530990TX
53B-6L	530990BX	530051L-X	530023BL	530048-X	4423-2	4424-2	530990TX
53B-6XL	530990BX	530051XL-X	530023BXL	530048-X	4423-2	4424-2	530990TX
53B-6XXL	530990BX	530051XXL-X	530023BXXL	530048-X	4423-2	4424-2	530990TX
53B-10	530988BX	530060-X	530025B	4298-X	4423-2	4424-2	530988TX
53B-10L	530988BX	530060L-X	530025BL	4298-X	4423-2	4424-2	530988TX
53B-10XL	530988BX	530060XL-X	530025BXL	4298-X	4423-2	4424-2	530988TX
53B-15	530987BX	530061-X	530025BL	4803-X	4423-2	4424-2	530987TX

* X - Part Number is Customer Specific

** X - Glass Material is P Pyrex or AC Acrylic

*** X - E EPDM, S Silicone, V Viton

Elastomer Material Available in FDA or USP CI VI

Bubble Trap Assembly:

Insert Studs (3) into lower flange (1) (see above illustration). Screw nylon insert nut (6) onto lower threads of studs (3). Tighten lower nylon insert nut (6) by locking two nuts (5) together on upper threads of stud (3) to assist prevent stud (3) from rotating. Unlock the two nuts (5) and remove one from the stud (3). The remaining nut (5) should be screwed to bottom of upper threads of stud (3). Place gasket or o-ring (4) into lower flange (1) and glass (2) onto gasket or o-ring. Place gasket or o-ring (4) onto upper flange (7). Place upper flange (7) with gasket or o-ring (4) onto glass (2) lining holes on upper flange to studs (3). Screw and tighten nylon insert nuts (6) in a crossing pattern. Torque requirements for final tightening of nylon insert nuts (6) on top and bottom is 11 ft-lbs for 3"-4" Bubble Traps and 22 ft-lbs for 6"-15" Bubble Traps. Unscrew nut (5) until tightened to upper flange (7).

Bubble Trap Disassembly:

Unscrew top nylon insert nuts (6) off upper flange (7) in a crossing pattern. Remove upper flange (7) from studs (3). Remove glass (2) and gaskets or o-rings (4). Lock two nuts (existing nut (5) with additional nut) onto stud (3) to remove lower nylon insert nuts (6). Remove all nuts (5) and nylon insert nuts (6). Remove studs (3) from lower flange (1).