



INSTRUCTIONS

NEPTUNE CORPORATION STOP AND NOZZLE ASSEMBLIES MODELS – CS2 AND CS2SS

WARNING: PRIOR TO INSTALLATION, USER IS TO ENSURE PROPER MATERIAL CORROSION RESISTANCE FOR THE INJECTED CHEMICAL. FAILURE TO DO SO CAN RESULT IN PERSONNEL INJURY AND EQUIPMENT DAMAGE OR FAILURE.

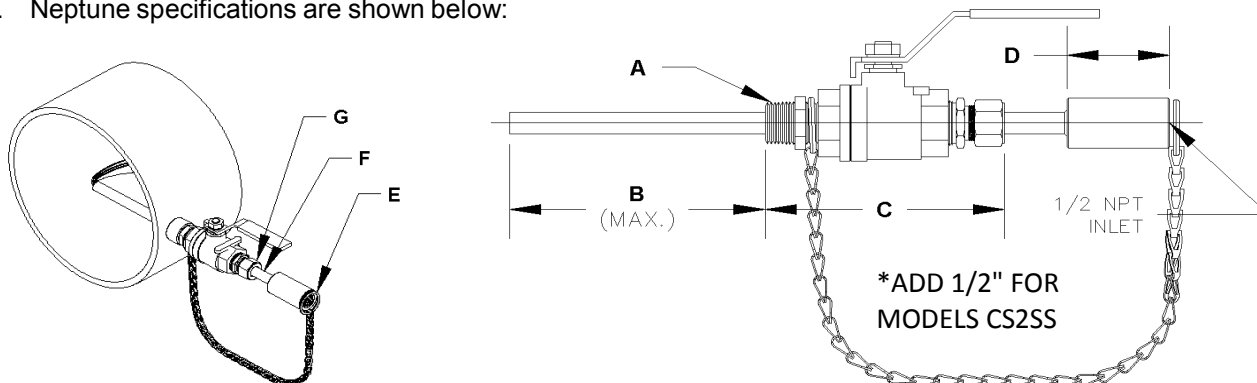
Model - CS2, Corporation Stop and Nozzle Assemblies are manufactured by Neptune in 1/2", 3/4" and 1" NPT and AWWA pipe sizes. They provide two distinct advantages over a simple tap connection into large main pipes:

1. The Nozzle may be extended for injection near the center of a large main for more effective chemical dispersion.
2. The nozzle may be withdrawn and the Corporation Stop closed without interrupting the use of the main. A typical installation style is shown below:

MODEL NO. WITH NO LEAD BRASS VALVE	MODEL NO. WITH 316SS VALVE	NOZZLE MATERIAL	PRESS. PSI	MAXIMUM TEMP.	SIZE (INCHES)		DIMENSIONS (INCHES)		
					A	B	C *	D	
CS2-50-PVC-NL	CS2SS-50-PVC	CPVC	125 psi	100°F (37°C)	1/2 NPT	7-3/4	5-1/4	2	
CS2-75-PVC-NL	CS2SS-75-PVC	CPVC	125 psi	100°F (37°C)	3/4 NPT	7-3/4	5-1/4	2	
CS2-100-PVC-NL	CS2SS-100-PVC	CPVC	125 psi	100°F (37°C)	1 NPT	7-1/4	6-1/4	1-1/2	
CS2-50-KY-NL	CS2SS-50-KY	Kynar	150 psi	200°F (93°C)	1/2 NPT	7-3/4	5-1/4	2-3/8	
CS2-75-KY-NL	CS2SS-75-KY	Kynar	150 psi	200°F (93°C)	3/4 NPT	7-3/4	5-1/4	2-3/8	
CS2-100-KY-NL	CS2SS-100-KY	Kynar	150 psi	200°F (93°C)	1 NPT	6-3/4	6-1/4	2	
CS2-50-316-NL	CS2SS-50-316	316SS	150 psi	250°F (121°C)	1/2 NPT	7-1/2	5-1/4	2-3/8	
CS2-75-316-NL	CS2SS-75-316	316SS	150 psi	250°F (121°C)	3/4 NPT	7-1/2	5-1/4	2-3/8	
CS2-100-316-NL	CS2SS-100-316	316SS	150 psi	250°F (121°C)	1 NPT	6-1/2	6-1/4	2-3/8	
CS2-50-C20-NL	CS2SS-50-C20	C-20	150 psi	250°F (121°C)	1/2 NPT	7-1/2	5-1/4	2-3/8	
CS2-75-C20-NL	CS2SS-75-C20	C-20	150 psi	250°F (121°C)	3/4 NPT	7-1/2	5-1/4	2-3/8	
CS2-100-C20-NL	CS2SS-100-C20	C-20	150 psi	250°F (121°C)	1 NPT	6-1/2	6-1/4	2-3/8	
CS2-50-PVC-NL-AWWA	CS2SS-50-PVC-AWWA	CPVC	125 psi	100°F (37°C)	1/2 AWWA	7-3/4	5-1/4	2	
CS2-75-PVC-NL-AWWA	CS2SS-75-PVC-AWWA	CPVC	125 psi	100°F (37°C)	3/4 AWWA	7-3/4	5-1/2	2	
CS2-100-PVC-NL-AWWA	CS2SS-100-PVC-AWWA	CPVC	125 psi	100°F (37°C)	1 AWWA	7-1/4	6-1/8	1-1/2	
CS2-50-KY-NL-AWWA	CS2SS-50-KY-AWWA	Kynar	150 psi	200°F (93°C)	1/2 AWWA	7-3/4	5-1/4	2-3/8	
CS2-75-KY-NL-AWWA	CS2SS-75-KY-AWWA	Kynar	150 psi	200°F (93°C)	3/4 AWWA	7-3/4	5-1/2	2-3/8	
CS2-100-KY-NL-AWWA	CS2SS-100-KY-AWWA	Kynar	150 psi	200°F (93°C)	1 AWWA	6-3/4	6-1/8	2	
CS2-50-316-NL-AWWA	CS2SS-50-316-AWWA	316SS	150 psi	250°F (121°C)	1/2 AWWA	7-1/2	5-1/4	2-3/8	
CS2-75-316-NL-AWWA	CS2SS-75-316-AWWA	316SS	150 psi	250°F (121°C)	3/4 AWWA	7-1/2	5-1/2	2-3/8	
CS2-100-316-NL-AWWA	CS2SS-100-316-AWWA	316SS	150 psi	250°F (121°C)	1 AWWA	6-1/2	6-1/8	2-3/8	
CS2-50-C20-NL-AWWA	CS2SS-50-C20-AWWA	C-20	150 psi	250°F (121°C)	1/2 AWWA	7-1/2	5-1/4	2-3/8	
CS2-75-C20-NL-AWWA	CS2SS-75-C20-AWWA	C-20	150 psi	250°F (121°C)	3/4 AWWA	7-1/2	5-1/2	2-3/8	
CS2-100-C20-NL-AWWA	CS2SS-100-C20-AWWA	C-20	150 psi	250°F (121°C)	1 AWWA	6-1/2	6-1/8	2-3/8	

NL = NO LEAD

3. Neptune specifications are shown below:



PSG
22069 Van Buren Street
Grand Terrace, CA 92313 USA
P: +1 (215) 699-8700 F: +1 (215) 699-0370
neptune1.com



psgdover.com



To insure proper operation, these units should be installed below the horizontal centerline of the main so that their cross section position in the main will correspond with four to eight on the face of a clock.

WARNING Be sure to tighten securely the fitting cap “G” after fully inserting the Nozzle Assembly.

The chain provided is used to prevent the Nozzle Assembly from being completely withdrawn and to hold it against backpressure. The Ring “E” attached to the Chain has to be installed between the inlet connection point. It must always be used. When extended its full length it will permit the Nozzle to be withdrawn enough so that the Corporation Stop may be closed, sealing the injection point. It may be necessary to loosen the fitting cap in order to slide the Nozzle “F” out through the Corporation Stop.

INSTALLATION:

Unpack and inspect the Corporation Stop and Nozzle Assembly for damage.

- I. Main Down
 - A Loosen hex nut ‘G’ on Corporation Stop until Nozzle Assembly ‘F’ will slide. Remove Nozzle Assembly.
 - B Thread Corporation Stop into correct size female NPT connection in side of main.

BE SURE THAT THE CHAIN CONNECTOR RING IS IN POSITION AS SHOWN

BE CERTAIN THAT THE CORPORATION STOP IS CLOSED

- II. Main May Be Charged
 - C Reinsert Nozzle Assembly ‘F’ thru hex nut until it hits closed position of Corporation Stop.
 - D Connect system piping including check valve and shutoff valve as required to threaded end of Nozzle Assembly. **BE CERTAIN THAT CHAIN COLLAR ‘E’ IS INSTALLED NEXT TO NOZZLE ASSEMBLY WITH PIPING THRU THE CENTER.** (As shown)
 - E Open Corporation Stop and slide Nozzle Assembly until it is inserted to the desired depth into the main. Tighten hex nut ‘G’. **WARNING: BE SURE TO TIGHTEN HEX NUT ‘G’ SECURELY.**
- III. Removal
 - F. Reverse procedure to remove. **BE CERTAIN TO CLOSE** Corporation Stop as soon as Nozzle Assembly is withdrawn to the length of the chain.



Revised 12-30-2010
Revised 6-30-2011
Revised 3-13-2018
ECN-3079, REV 3
ECN-NWL000003 REV 5



PSG
22069 Van Buren Street
Grand Terrace, CA 92313 USA
P: +1 (215) 699-8700 F: +1 (215) 699-0370
neptune1.com

