

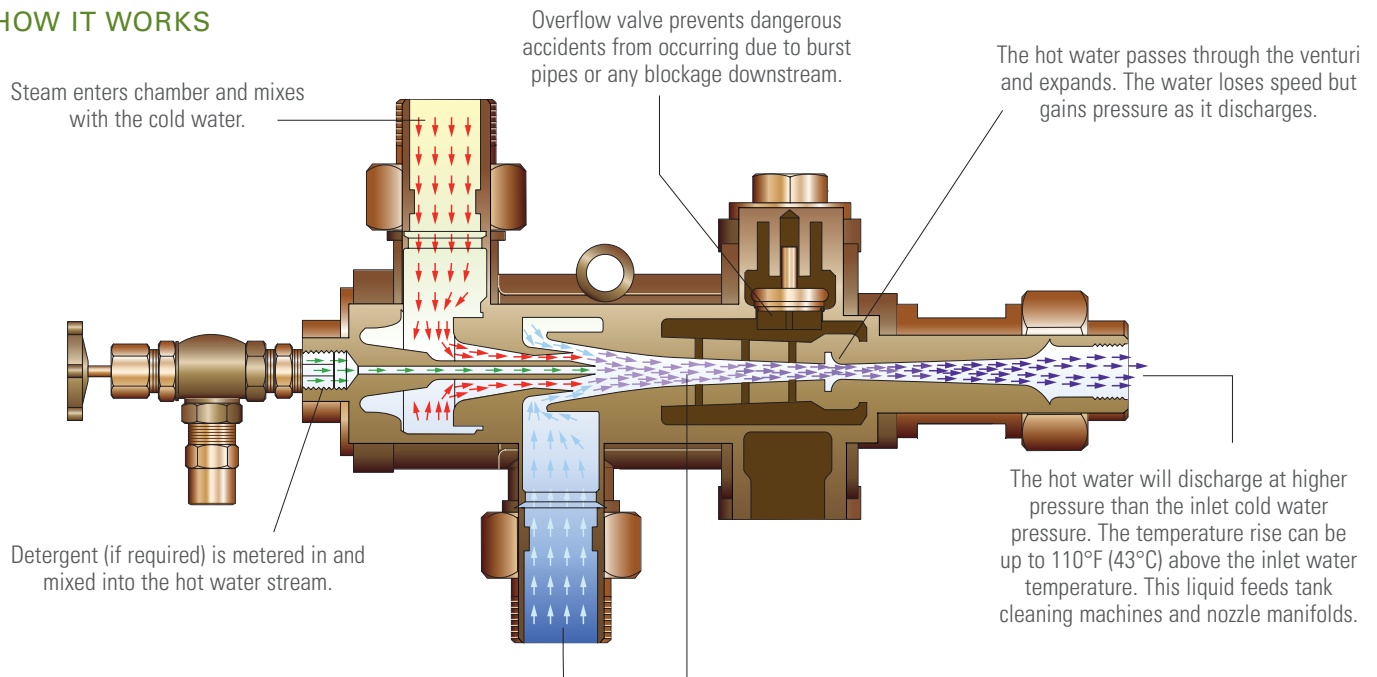
CLOUD-SELLERS B & BX STEAM INJECTORS FEATURES AND BENEFITS

- Ideal feed device for tank cleaning machines and custom-designed nozzle manifolds
- Non-intrusive: suitable for use with cold, low-pressure water and existing plant steam
- Produces a high-pressure, high-temperature liquid discharge stream
- Increased pressure provides higher impact for cleaning tough residues
- Higher temperature speeds cleaning by quickly breaking down soil
- Eliminates the need for expensive pumps and heat exchangers
- Built-in overflow valve ensures safe operation
- Provides chemical injection via a liquid control valve that siphons chemicals or detergents to maximize cleaning efficiency



Cloud-Sellers BX Steam Injector
for liquid discharge capacities
up to 110 gpm (416 lpm)

HOW IT WORKS



The cold water instantly condenses the hot steam and creates a vacuum. The cold water absorbs the heat and velocity from the steam and a high-speed stream of hot water is produced.

IDEAL FOR CLEANING:

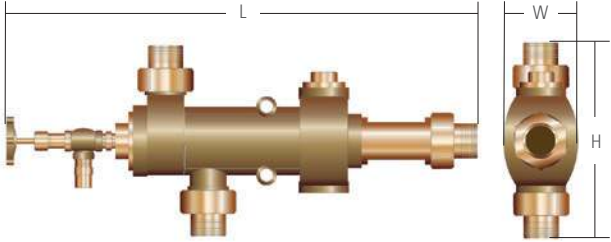
- | | |
|--|----------------------|
| • Personal care tanks | • Fermenters |
| • Food vats | • Transport Vehicles |
| • Pharmaceutical vessels | • Stock Chests |
| • PTFE, latex, acrylic, polymer, paint and other chemical reactors | • Reactors |
| | • Refineries |
| | • Food Processing |



SPECIFICATIONS

Model	Cloud-Sellers B Steam Injector	Cloud-Sellers BX Steam Injector
Inlet steam pressure range:	50 to 150 psi (3.4 to 10.3 bar)	50 to 150 psi (3.4 to 10.3 bar)
Steam capacity range:	160 to 2000 lbs/hr (73 to 907 kgs/hr)	1000 to 6000 lbs/hr (454 to 2722 kgs/hr)
Max. liquid discharge operating pressure:	120 to 340 psi (8.3 to 23.4 bar)	120 to 340 psi (8.3 to 23.4 bar)
Liquid discharge flow rate:	4 to 34 gpm (15 to 128.7 lpm)	30 to 110 gpm (114 to 416 lpm)
Max. liquid discharge temperature:	180°F (82°C)	180°F (82°C)
Materials:	Brass with 303SS detergent tube with EPDM O-ring	Brass with 303SS detergent tube with EPDM O-ring
Inlet connection:	Steam: 1-1/4" NPT or BSPT (M); Water: 1-1/4" NPT or BSPT (M); Detergent: 1/2" NPT or BSPT (M)	Steam: 1-1/2" NPT or BSPT (M); Water: 1-1/2" NPT or BSPT (M); Detergent: 1/2" NPT or BSPT (M)
Outlet connection:	Discharge: 3/4" NPT or BSPT (F); Overflow: 1" NPT (F) or BSPT (M)	Discharge: 1-1/2" NPT or BSPT (M); Overflow: 2" NPT (F) or BSPT (M)

DIMENSIONS AND WEIGHTS



Model No.	L in. (mm)	W in. (mm)	H in. (mm)	Weight lbs. (kg)
TJB	22 Max. (559)	3.48 (88)	9.24 (235)	24 (11)
TJBX	27.3 Max. (693)	4.41 (112)	11 (279)	48 (22)

PERFORMANCE DATA

Model	Cloud Part No.	Steam Injector No.	Steam Capacity lbs/hr (kg/hr)	Inlet Steam Pressure psi (bar)				
				50 (3.4)	75 (5.2)	100 (6.9)	125 (8.6)	150 (10.3)
				Maximum Liquid Discharge Pressure psi (bar)				
				120 (8.3)	170 (11.7)	220 (15.2)	280 (19.3)	340 (23.4)
				Liquid Discharge Capacity gpm (l/min)				
TJB-4	75-11-M	B250	160 to 400 (73 to 181)	4 (15.1)	4.5 (17.0)	5.5 (21)	6 (23)	6.5 (25)
TJB-7	75-11-F	B450	280 to 700 (127 to 318)	7 (26)	8 (30)	9 (34)	10.5 (40)	12 (45)
TJB-9	75-11-H	B600	360 to 900 (163 to 408)	9 (34)	12 (45)	13 (49)	15 (57)	16.5 (62)
TJB-15	75-11-C	B1000	700 to 1500 (318 to 680)	15 (57)	20 (76)	24 (91)	27 (102)	29 (110)
TJB-20	75-11-W	B1250	800 to 2000 (363 to 907)	20 (76)	25 (95)	29 (110)	32 (121)	34 (129)
TJBX-30	75-7-J	BX2000	1000 to 3000 (454 to 1361)	30 (114)	35 (132)	45 (170)	50 (189)	55 (208)
TJBX-50	75-7-K	BX3000	1700 to 4500 (771 to 2041)	50 (189)	60 (227)	70 (265)	75 (284)	80 (303)
TJBX-70	75-7-L	BX4000	2500 to 6000 (1134 to 2722)	70 (265)	80 (303)	90 (341)	100 (379)	110 (416)



TANK CLEANING NOZZLES COMMONLY USED WITH CLOUD-SELLERS B STEAM INJECTOR

Cloud-Sellers Tank Cleaning Nozzle	Nozzle Type/Size	Compatible Steam Injector Type	Injector Steam Inlet Pressure Range psi (bar)	Tank Cleaning Nozzles Operating Pressure Range psi (bar)	Tank Cleaning Nozzles Flow Rate Range gpm (l/min)
TJ14	C	TJB-15	60 to 150 (4.1 to 10.3)	50 to 150 (3.4 to 10.3)	17 to 29 (64 to 110)
		TJB-20	50 to 150 (3.4 to 10.3)	70 to 200 (4.8 to 13.8)	20 to 34 (76 to 129)
	G, H	TJB-15	55 to 150 (3.8 to 10.3)	50 to 170 (3.4 to 11.7)	16 to 29 (61 to 110)
		TJB-20	50 to 125 (3.4 to 8.6)	80 to 200 (5.5 to 13.8)	20 to 32 (76 to 121)
	D	TJB-15	50 to 140 (3.4 to 9.7)	60 to 200 (4.1 to 13.8)	15 to 28 (57 to 106)
		TJB-20	50 to 90 (3.4 to 6.2)	110 to 200 (7.6 to 13.8)	20 to 28 (76 to 106)
TJ19	C	TJB-15	60 to 150 (4.1 to 10.3)	50 to 190 (3.4 to 13.1)	17 to 29 (64 to 110)
		TJB-20	50 to 110 (3.4 to 7.6)	80 to 200 (5.5 to 13.8)	20 to 30 (76 to 114)
	D	TJB-15	50 to 150 (3.4 to 10.3)	50 to 200 (3.4 to 13.8)	15 to 29 (57 to 110)
		TJB-20	50 to 100 (3.4 to 6.9)	90 to 200 (6.2 to 13.8)	20 to 29 (76 to 110)
	G	TJB-9	75 to 150 (5.2 to 10.3)	50 to 90 (3.4 to 6.2)	12 to 16.5 (45 to 62)
		TJB-15	50 to 120 (3.4 to 8.3)	80 to 200 (5.5 to 13.8)	15 to 26 (57 to 98)
		TJB-20	50 to 85 (3.4 to 5.9)	130 to 200 (9.0 to 13.8)	20 to 26 (76 to 98)
	H	TJB-9	60 to 150 (4.1 to 10.3)	50 to 100 (3.4 to 6.9)	10 to 16.5 (38 to 62)
		TJB-15	50 to 100 (3.4 to 6.9)	90 to 200 (6.2 to 13.8)	15 to 24 (57 to 91)
		TJB-20	50 to 70 (3.4 to 4.8)	150 to 200 (10.3 to 13.8)	20 to 24 (76 to 91)
TJ75-4 TJ75H-4	172	TJB-15	110 to 150 (7.6 to 10.3)	150 to 210 (10.3 to 14.5)	25 to 29 (95 to 110)
		TJB-20	75 to 150 (5.2 to 10.3)	150 to 280 (10.3 to 19.3)	25 to 35 (95 to 132)
	172LP	TJB-9	75 to 150 (5.2 to 10.3)	50 to 90 (3.4 to 6.2)	12 to 16.5 (45 to 62)
		TJB-15	50 to 85 (3.4 to 5.9)	80 to 150 (5.5 to 10.3)	15 to 21 (57 to 79)
	125	TJB-15	55 to 95 (3.8 to 6.6)	150 to 300 (10.3 to 20.7)	16 to 23 (61 to 87)
	125LP	TJB-7	100 to 150 (6.9 to 10.3)	50 to 100 (3.4 to 6.9)	9 to 12 (34 to 45)
		TJB-9	50 to 125 (3.4 to 8.6)	50 to 140 (3.4 to 9.7)	9 to 15 (34 to 57)

TANK CLEANING NOZZLES COMMONLY USED WITH CLOUD-SELLERS BX STEAM INJECTOR

Cloud-Sellers Tank Cleaning Nozzles	Nozzle Type/Size in (mm)	Compatible Steam Injector Type	Injector Steam Inlet Pressure Range psi (bar)	Nozzles Operating Pressure Range psi (bar)	Nozzles Flow Rate gpm (lpm)
TJ16	C, D, G	TJBX30	100 to 150 (6.9 to 10.3)	60 to 100 (4.1 to 6.9)	45 to 55 (170 to 208)
		TJBX50	50 to 150 (3.4 to 10.3)	80 to 200 (5.5 to 13.8)	50 to 80 (189 to 303)
	H	TJBX30	75 to 150 (5.2 to 10.3)	50 to 110 (3.4 to 7.6)	35 to 55 (132 to 208)
		TJBX50	50 to 125 (3.4 to 8.6)	95 to 200 (6.6 to 13.8)	50 to 75 (3.4 to 5.2)
TJ65	1/4 (6.4)	TJBX30	50 to 150 (3.4 to 10.3)	50 to 120 (3.4 to 8.3)	30 to 55 (114 to 208)
		TJBX50	50 to 75 (3.4 to 5.2)	105 to 140 (7.2 to 9.7)	50 to 60 (189 to 227)
	5/16 (7.9)	TJBX50	75 to 150 (5.2 to 10.3)	70 to 115 (4.8 to 7.9)	60 to 80 (227 to 303)
		TJBX70	50 to 100 (3.4 to 6.9)	90 to 150 (6.2 to 10.3)	70 to 90 (265 to 341)
	3/8 (9.5)	TJBX50	75 to 150 (5.2 to 10.3)	55 to 95 (3.8 to 6.6)	60 to 80 (227 to 303)
		TJBX70	50 to 125 (3.4 to 8.6)	75 to 150 (5.2 to 10.3)	70 to 100 (265 to 379)
TJ65-HT	1/4 (6.4)	TJBX70	50 to 150 (3.4 to 10.3)	58 to 135 (4.0 to 9.3)	70 to 110 (265 to 416)
	5/16 (7.9)	TJBX70	50 to 150 (3.4 to 10.3)	55 to 115 (3.8 to 7.9)	70 to 110 (265 to 416)
	3/8 (9.5)	TJBX70	100 to 150 (6.9 to 10.3)	55 to 75 (3.8 to 5.2)	90 to 110 (341 to 416)



TANK CLEANING NOZZLES COMMONLY USED WITH CLOUD-SELLERS BX STEAM INJECTOR

Cloud-Sellers Tank Cleaning Nozzles	Nozzle Type/Size in (mm)	Compatible Steam Injector Type	Injector Steam Inlet Pressure psi (bar)	Nozzles Operating Pressure psi (bar)	Nozzles Flow Rate gpm (lpm)
TJ80-2 TJ80H-2	3/8 (9.5)	TJBX50	50 to 150 (3.4 to 10.3)	50 to 130 (3.4 to 9.0)	50 to 80 (189 to 303)
		TJBX70	50 to 90 (3.4 to 6.2)	102 to 150 (7.0 to 10.3)	70 to 85 (265 to 322)
	7/16 (11.1)	TJBX50	90 to 150 (6.2 to 10.3)	65 to 105 (4.5 to 7.2)	65 to 80 (246 to 303)
		TJBX70	50 to 115 (3.4 to 7.9)	80 to 150 (5.5 to 10.3)	70 to 95 (265 to 360)
TJ80-3 TJ80H-3	5/16 (7.9)	TJBX50	75 to 150 (5.2 to 10.3)	60 to 125 (4.1 to 8.6)	60 to 80 (227 to 303)
		TJBX70	50 to 100 (3.4 to 6.9)	95 to 150 (6.6 to 10.3)	70 to 90 (265 to 341)
	3/8 (9.5)	TJBX70	115 to 150 (7.9 to 10.3)	68 to 110 (4.7 to 7.6)	95 to 110 (360 to 416)
TJ360-2	1/4 (6.4)	TJBX30	50 to 150 (3.4 to 10.3)	40 to 150 (2.8 to 10.3)	30 to 55 (114 to 208)
		TJBX50	50 to 150 (3.4 to 10.3)	120 to 340 (8.3 to 23.4)	50 to 80 (189 to 303)
	9/32 (7.1)	TJBX30	75 to 150 (5.2 to 10.3)	40 to 110 (2.8 to 7.6)	35 to 55 (132 to 208)
		TJBX50	50 to 150 (3.4 to 10.3)	80 to 220 (5.5 to 15.2)	50 to 80 (189 to 303)
		TJBX70	50 to 125 (3.4 to 8.6)	170 to 350 (11.7 to 24.1)	70 to 100 (265 to 379)
	5/16 (7.9)	TJBX30	115 to 150 (7.9 to 10.3)	40 to 55 (2.8 to 3.8)	40 to 75 (151 to 284)
		TJBX50	50 to 150 (3.4 to 10.3)	60 to 155 (4.1 to 10.7)	50 to 80 (189 to 303)
		TJBX70	50 to 150 (3.4 to 10.3)	120 to 290 (8.3 to 20.0)	70 to 110 (265 to 416)
	3/8 (9.5)	TJBX50	60 to 150 (4.1 to 10.3)	40 to 90 (2.8 to 6.2)	55 to 80 (208 to 303)
		TJBX70	50 to 150 (3.4 to 10.3)	70 to 165 (4.8 to 11.4)	70 to 110 (265 to 416)
	7/16 (11.1)	TJBX70	50 to 150 (3.4 to 10.3)	45 to 105 (3.1 to 7.2)	70 to 110 (265 to 416)
	1/2 (12.7)	TJBX70	75 to 150 (5.2 to 10.3)	40 to 75 (2.8 to 5.2)	80 to 110 (303 to 416)
	9/16 (14.3)	TJBX70	90 to 150 (6.2 to 10.3)	40 to 55 (2.8 to 3.8)	90 to 110 (341 to 416)
TJ360-3 TJ180-3	1/4 (6.4)	TJBX30	90 to 150 (6.2 to 10.3)	40 to 72 (2.8 to 5.0)	40 to 55 (151 to 208)
		TJBX50	50 to 150 (3.4 to 10.3)	60 to 155 (4.1 to 10.7)	50 to 80 (189 to 303)
		TJBX70	50 to 150 (3.4 to 10.3)	120 to 290 (8.3 to 20.0)	70 to 110 (265 to 416)
	9/32 (7.1)	TJBX50	50 to 150 (3.4 to 10.3)	40 to 110 (2.8 to 7.6)	50 to 80 (189 to 303)
		TJBX70	50 to 150 (3.4 to 10.3)	80 to 205 (5.5 to 14.1)	70 to 110 (265 to 416)
	5/16 (7.9)	TJBX50	65 to 150 (4.5 to 10.3)	40 to 80 (2.8 to 5.5)	55 to 80 (208 to 303)
		TJBX70	50 to 150 (3.4 to 10.3)	60 to 150 (4.1 to 10.3)	70 to 110 (265 to 416)
	3/8 (9.5)	TJBX70	50 to 150 (3.4 to 10.3)	40 to 90 (2.8 to 6.2)	70 to 110 (265 to 416)
	7/16 (11.1)	TJBX70	100 to 150 (6.9 to 10.3)	40 to 60 (2.8 to 4.1)	90 to 110 (341 to 416)

ORDERING INFORMATION

CLOUD-SELLERS B AND BX STEAM INJECTOR

Model	—	Conn*	—	ND**	EXAMPLE
					TJBX-15 — —

*Add B for BSPT connections. If NPT connection, leave blank.

**Add ND for no detergent flow control valve.

