

BRECONCHERRY SELLERSCLEAN

International specialists in the design and
manufacture of tank cleaning equipment

www.breconcherry.com



Jet Cleaners/ Steam Water Mixers



Low Cost - High Pressures

- No Motor, No Heat Exchanger, No Rotating Parts
- No Pumps Required
- Wide Range of Models
- Low Service and Maintenance Costs
- Low Cost Set Up
- Wide Application Range, From Single Hand-held Lance to Multiple Installations

Versatile & Unique

The **JET CLEANERS** produce instantaneous hot water by mixing steam with water, and by boosting discharge pressure, in addition to heating the water. Chemical additives can also be mixed into the system as required.

A range of models covers applications from supplying a single hand-held lance for light duty general cleaning, to single or multiple installations of large capacity tank cleaning heads.

Applications

MODEL B-JET

Drives a 2" **TROLL BALL** or a manually operated hand held lance. With steam supply of 3 to 7 bar the discharge pressure is boosted by up to 2.5 x steam pressure.

MODEL SB - 'SUPER BOOSTER'

Supplies a manually hand held lance, or cleaning head (Fury TWB) with the capability to operate from low pressure steam at only 0.5 bar (up to 7 bar), boosting discharge pressure up to 15 x steam pressure over this range.

For same steam input conditions, a higher water temperature is produced by the **SUPER BOOSTER** compared with the **MODEL B-JET**.

Model BX/BZ JET

For driving either single 'high-flow' capacity cleaning heads (**TANKMAJOR - JUMBO 6 - Fury TWB**), or multiple smaller capacity cleaning heads (**TROLL BALLS - MONARC**).

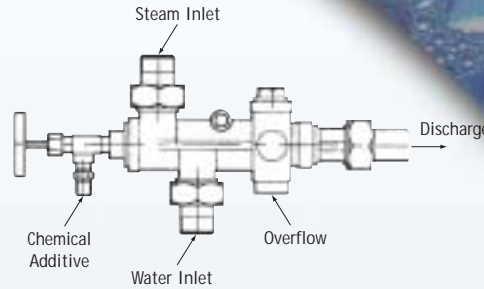
JET CLEANERS are widely used for livery washing in the transport industry, for washing walls, floor and equipment in many factories.





Jet Cleaners/Steam Water Mixers Technical data

	B-Jet	SB	BX	BZ
Water Inlet (NPT-M/BSPT)	1 1/4"	1"	1 1/2"	2 1/2"
Steam Inlet (NPT-M/BSPT)	1 1/4"	1 1/2"	1 1/2"	2 1/2"
Chemical (NPT-F/BSPT)	1/2"	1/2"	1/2"	1/2"
Discharge (NPT/BSPT)	3/4"F	3/4"F	1 1/2"M	2"M
Overflow (NPT/BSPT)	1"	1"	2"	3"
Weight (KG)	10.9	12.3	25	43
O/A Length	520	510	685	825
Material	Gun Metal, BS1400			



Above sizes refer to Jet Cleaner connections, and should be used to size steam and water inlet valves. Supply pipe sizes should also not be less than the above, and for runs of over 15 metres

it is advisable to use larger pipe sizes to avoid excessive pressure losses.

	B-Jet Units					BX Units			BZ Units		
Units	B250	B450	B600	B1000	B1250	BX2000	BX3000	BX4000	BZ6000	BZ8000	BZ10000
Litres/Hour	945	1701	2268	3780	4725	7560	11340	15120	22680	30240	37800
M ³ /Hour	1	1.7	2.3	3.8	4.7	7.6	11.3	15.1	23	30	38
Litres/Minute	16	28	38	63	79	126	189	252	378	504	630
Steam Inlet Pressure	4 to 10 BAR					4 to 10 BAR			4 to 10 BAR		
Steam Consumption	150 to 1250 lb/hr					1100 to 4100 lb/hr			3000 to 10500 lb/hr		
Max. Discharge Pressure	7 to 16 BAR					7 to 16 BAR			7 to 16 BAR		
Av. Discharge Temperature	65 to 75°C					65 to 75°C			65 to 75°C		

These performance characteristics cover the main operating range of steam supply pressure. Full operating characteristics are available for each model.

Installation & Operation

JET CLEANERS may be installed for operation either by manual control, using manual steam and water shut off valves, or by remote/automatic operation, using actuated steam and water shut off valves, linked to a control unit. Automatic control also allows incorporation of features such as steam shut off if discharge temperature exceeds set level, due to reduction of water supply.

An adequate water supply is essential, requiring 2 -3 bar pressure at inlet under flow conditions, for full utilisation of steam at pressure up to 9-10 bar. Performance characteristics are based on a water temperature of 15°C at inlet to the JET CLEANER. For satisfactory operation this temperature should not exceed 25°C.

New pipework should be thoroughly flushed before connecting the JET CLEANER to avoid blockages or damage to the equipment.

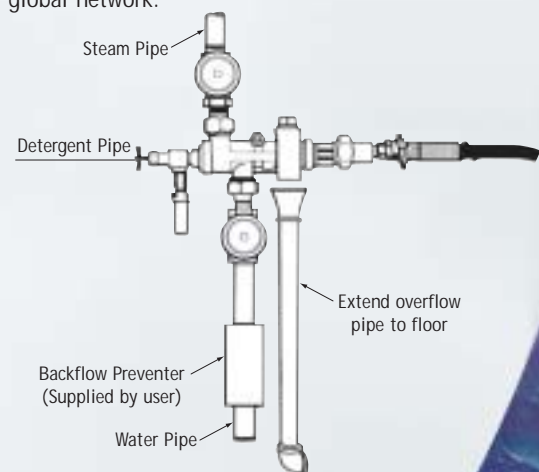
If the overflow is piped to a closed drain, ensure that an open tun-dish or equivalent is incorporated near to the JET CLEANER to enable setting up the steam/water balance.

Discharge piping may be either fixed via a flexible delivery hose. If connecting the discharge to a hose reel, ensure that a flexible link hose is used, to prevent damage to the hose reel rotary joint from loads imposed by the piping.

When using detergents or other chemicals through the JET CLEANER, the additive control valve should be closed first and the unit allowed to flush before shutting down.

Maintenance & Inspection

Worldwide comprehensive after-sales service includes spare parts, technical support and full repair facilities from the Breconcherry trained global network.



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QUALITY • PERFORMANCE • SERVICE

We reserve the right to change the specifications without notice.

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