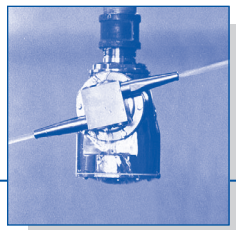
High impact tank cleaning machine

Series M20



For the largest tanks and most difficult applications, this gear driven tank washing machine is our most powerful.

- Very high cleaning performance at low pressures
- Requires no lubricants
- Systematically sweeps the entire tank interior (360°)
- Regular maintenance by replacement of wetted parts ensures long product life

The standard machine configuration uses two or four nozzles to blast the tank walls and rinse all surfaces. In operation, this indexed orbiting machine has to run for the cycle time indicated on the chart for the specific pressure. This ensures full cleaning. For extremely difficult applications, the time may need to be extended.

Applications
For large tanks and tough cleaning tasks, e.g., wine and beer fermenters, tank trucks, rail cars, chemical processing

Max. tank diameter:
Rinsing: 75 ft.
Cleaning: 50 ft.

Operating pressure:
35 – 100 psi, max 150 psi

Max. fluid temperature:**
200°F

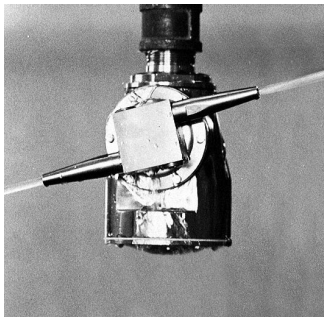
Opening requirement:
(Round hole diameter)
2 nozzle 5.9 inches
4 nozzle 7.8 inches

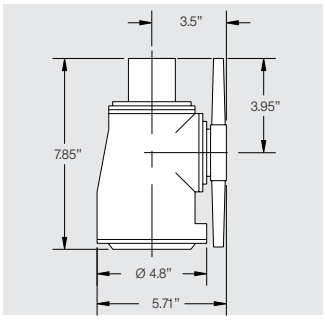
Weight:
Approx. 17 lb.

Materials:
- 316L stainless steel
- Gear components made of PTFE and carbon fiber

Connection:
- 1-1/2" Male NPT
- 1-1/2" Female NPT
- Flange

** Contact Lechler for maximum ambient temperature.



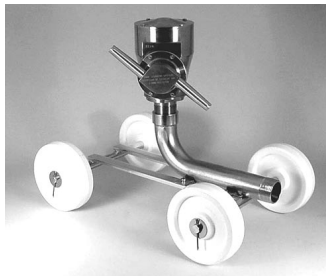


Ordering no. Type	Connection 1-1/2" Male NPT	1-1/2" Female NPT	Flange	Inverted Operation	No. of Nozzles x Diameter (mm)		Operating Pressure 40 psi	60 psi	80 psi	100 psi
M20. 208. 17	**BR**	**BS**	**015**	**BRDRV**	2x8mm	Flow Rate	40 gpm	49 gpm	56 gpm	59 gpm
						Cycle Time	31 min	24 min	20 min	17 min
M20. 209. 17	**BR**	**BS**	**015**	**BRDRV**	2x9mm	Flow Rate	45 gpm	54 gpm	60 gpm	65 gpm
						Cycle Time	27 min	21 min	19 min	15 min
M20. 210. 17	**BR**	**BS**	**015**	**BRDRV**	2x10mm	Flow Rate	50 gpm	62 gpm	69 gpm	72 gpm
						Cycle Time	22 min	19 min	17 min	14 min
M20. 211. 17	**BR**	**BS**	**015**	**BRDRV**	2x11mm	Flow Rate	57 gpm	68 gpm	78 gpm	**80** gpm
						Cycle Time	21 min	17 min	14 min	13 min
M20. 407. 17	**BR**	**BS**	**015**	**BRDRV**	4x7mm	Flow Rate	*	70 gpm	78 gpm	**82** gpm
						Cycle Time		12 min	10 min	9 min
M20. 408. 17	**BR**	**BS**	**015**	**BRDRV**	4x8mm	Flow Rate	62 gpm	74 gpm	**84** gpm	**92** gpm
						Cycle Time	14 min	11 min	10 min	8 min
M20. 410. 17	**BR**	**BS**	**015**	**BRDRV**	4x10mm	Flow Rate	**80** gpm	**95** gpm	**107** gpm	**110** gpm
						Cycle Time	12 min	10 min	8 min	7 min

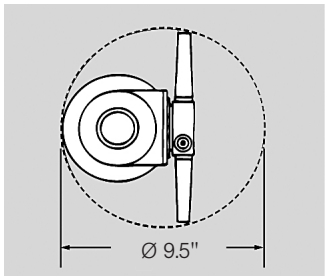
* Not recommended for operation below 50 psi

Notes: **Bold type** indicates flows in excess of 80 gpm, which exceeds the normal maximum flow through the machine. Operating beyond this point can cause excessive speed and premature wear to the internal gear train. If you require this high a flow rate, contact us to discuss modifications to your unit. The operating **Cycle Time** is typically the minimum required for a full cleaning of a tank 30' in diameter or smaller. Larger tanks or difficult cleaning situations may require longer cycle times.

*Lechler offers a special mounting attachment which allows the M20 VHT version to double the spray effectiveness on the end bulkheads of long, horizontal tanks or tankers. The mounting part number is **099.164.17.00**.*



*A VHT version of the M20 is available for inverted operation on an optional moveable cart. The cart part number is **M20.000.17.BR**.*



***Top view** (maximum rotation diameter required by nozzles)*

Please note: We do not recommend operation of these products with compressed air, steam, or gases. To protect the products' inner workings, we suggest use of a line strainer with a 200 mesh size. For further information, please contact Lechler.

Example for ordering:	Type	+	Conn.	=	Ordering no.
	M20. 208. 17	+	**BR**	=	**M20. 208. 17. BR**

Tank cleaning