



**SERIES P-100
LIQUID JET EDUCTOR
PERFORMANCE DATA**

SUCTION LIFT (ft) HS	DISCHARGE HEAT (ft) HD	SUCTION CAPACITY Q _s (gpm as water)																		
		MOTIVE PRESSURE (psig)																		
		10			20			40			60			80			100			
		SN	MN	LN	SN	MN	LN	SN	MN	LN	SN	MN	LN	SN	MN	LN	SN	MN	LN	
-15	0						10.2	12.7	13.1	10.4	13.8	13.1	10.6	14.1	13.1	11.2	14.1	13.1	11.8	
	10					3.1	5.9	8.7	10.4	12.3	13.1	10.6	14.1	13.1	11.2	14.1	13.1	11.8		
	20							3.3	10.4	7.1	10.0	10.6	13.3	13.1	11.2	14.1	13.1	11.8		
	30								6.1	1.6	5.4	10.6	8.1	13.1	11.2	14.1	13.1	11.8		
	40									0.8		0.9	10.0	3.0	9.7	11.2	11.0	13.1	11.8	
	50												6.7		5.6	11.2	6.3	13.1	11.8	
	60													2.9		1.4	11.1	1.4	8.9	11.8
	70																7.4		5.0	11.8
	80																3.5		0.9	10.8
	90																		13.1	8.1
	100																			5.2
	110																			2.2
120																				
	MOTIVE FLOW (GPM)	5.6	7.4	10.8	7.1	9.3	13.7	9.4	12.3	18.2	11.3	14.8	21.8	12.9	16.8	24.8	14.3	18.7	27.5	

SUCTION LIFT (ft) HS	DISCHARGE HEAT (ft) HD	SUCTION CAPACITY Q _s (gpm as water)																		
		MOTIVE PRESSURE (psig)																		
		10			20			40			60			80			100			
		SN	MN	LN	SN	MN	LN	SN	MN	LN	SN	MN	LN	SN	MN	LN	SN	MN	LN	
-20	0						8.5	10.3	10.7	8.7	12.0	10.7	9.1	12.0	10.9	9.9	12.0	11.0	10.2	
	10					1.7	3.5	6.4	8.7	10.2	10.7	9.1	12.0	10.9	9.9	12.0	11.0	10.2		
	20							1.0	8.7	5.0	8.9	9.1	11.5	10.9	9.9	12.0	11.0	10.2		
	30								4.0			4.3	9.1	6.1	10.9	9.9	9.1	11.0	10.2	
	40												9.1	1.0	8.4	9.9	4.4	11.0	10.2	
	50												5.5		4.1	9.9		11.0	10.2	
	60												1.7			9.9		7.8	10.2	
	70															6.7		3.9	10.2	
	80																2.7			10.1
	90																			7.4
	100																			4.4
	110																			1.6
120																				
	MOTIVE FLOW (GPM)	6.0	7.8	11.5	7.4	9.7	14.3	9.7	12.6	18.6	11.5	15.0	22.1	13.0	17.0	25.1	14.4	18.9	27.8	

SUCTION LIFT (ft) HS	DISCHARGE HEAT (ft) HD	SUCTION CAPACITY Q _s (gpm as water)																		
		MOTIVE PRESSURE (psig)																		
		10			20			40			60			80			100			
		SN	MN	LN	SN	MN	LN	SN	MN	LN	SN	MN	LN	SN	MN	LN	SN	MN	LN	
-25	0						6.8	7.8	8.4	6.8	9.5	8.4	6.9	9.5	8.7	7.8	8.9	8.4	8.0	
	10					0.1	1.0	4.0	6.8	8.5	8.4	6.9	9.5	8.7	7.8	8.9	8.4	8.0		
	20								6.8	3.1	7.5	6.9	9.5	8.7	7.8	8.9	8.4	8.0		
	30								1.7			3.0	6.9	4.0	8.7	7.8	8.9	8.4	8.0	
	40											6.9			6.3	7.8	2.2	8.4	8.0	
	50											4.4			2.0	7.8		6.8	8.0	
	60											0.7				7.8		2.6	8.0	
	70															5.7			8.0	
	80																1.7			6.5
	90																			3.5
	100																			0.6
	110																			
120																				
	MOTIVE FLOW (GPM)	6.3	8.3	12.2	7.7	10.0	14.8	9.9	12.6	19.0	11.7	15.2	22.5	13.2	17.3	25.4	14.6	19.1	28.1	

SIZE	1/4	1/2	3/4	1	1-1/2	2	2-1/2	3	4	6	8
CAPACITY RATIO CR	0.06	0.25	0.563	1	2.25	4	6.25	9	16	36	64

SN= Small Nozzle
MN= Medium Nozzle
LN= Large Nozzle

M=MOTIVE
S=SUCTION
D=DISCHARGE

