PERFORMANCE DATA

FOR A STANDARD (25.4mm) EJECTOR

PRIMETECH

PROVIDING ENGINEERING SOLUTIONS

Suction Lift mtr	Discharge Head mwc	Suction capacities (m^3/hr) Motive pressure (Kg/cm^2) 1	2	3	4	5	6	7	Injector Reference
		n1	n1	n1	n1	n1	n1	n1	
0	0	1.388	2.272	2.777	3.125	3.571	3.571	3.571	2555120
	2.5		0.961	2.083	2.50	2.777	3.125	3.125	2555120
	5.0			1.25	2.083	2.777	2.777	2.777	2555120
	7.5			0.20	1.388	2.083	2.50	2.50	2555120
	10.0				0.568	1.562	2.272	2.50	2555120
	12.5				0.30	0.60	1.40	1.923	2555110
	15.0				0.30	0.50	1.0	1.562	255585
	17.5				0.10	0.50	0.55	1.04	255585
	20.0					0.28	0.70	0.96	255585
	22.5					0.075	0.438	0.735	255585
	25.0						0.227	0.555	255585
	27.5							0.284	255576
	30.0							0.18	255576
Motive flow (m^3/hr)		0.9	1.5	1.8	2.1	2.6	2.8	3.0	

Suction Lift mtr	Discharge Head mwc	Suction capacities (m^3/hr) Motive pressure (Kg/cm^2) 1	2	3	4	5	6	7	Injector Reference
		n1	n1	n1	n1	n1	n1	n1	
1.5	0	0.85	1.60	1.90	2.40	2.50	2.50	2.50	2555120
	2.5		0.45	1.20	1.90	2.40	2.50	2.50	2555120
	5.0			0.50	1.40	1.90	2.40	2.40	2555120
	7.5				0.80	1.60	1.90	2.30	2555120
	10.0					0.90	1.50	1.85	2555120
	12.5					0.70	1.15	1.50	2555110
	15.0					0.60	0.90	1.10	255585
	17.5					0.30	0.70	0.90	255585
	20.0					0.20	0.45	0.60	255585
	22.5						0.35	0.50	255585
	25.0						0.25	0.40	255585
	27.5							0.20	255576
	30.0								
Motive flow (m^3/hr)		0.9	1.5	1.8	2.1	2.6	2.8	3.0	

Suction Lift mtr	Discharge Head mwc	Suction capacities (m^3/hr) Motive pressure (Kg/cm^2) 1	2	3	4	5	6	7	Injector Reference
		n1	n1	n1	n1	n1	n1	n1	
3.0	0		1.0	1.85	2.35	2.40	2.40	2.45	2555120
	2.5			0.70	1.65	2.25	2.40	2.45	2555120
	5.0				1.05	1.80	2.25	2.40	2555120
	7.5					1.00	1.80	2.20	2555120
	10.0					0.95	1.65	1.85	2555120
	12.5					0.45	1.30	1.50	2555110
	15.0					0.35	0.90	1.05	255585
	17.5					0.35	0.75	1.0	255585
	20.0						0.50	0.75	255585
	22.5						0.35	0.60	255585
	25.0							0.40	255585
	27.5								255576
	30.0								255576
	32.5								
	35.0								
Motive flow (m^3/hr)		0.9	1.5	1.8	2.1	2.6	2.8	3.0	

Suction Lift mtr	Discharge Head mwc	Suction capacities (m^3/hr) Motive pressure (Kg/cm^2)							
		1	2	3	4	5	6	7	Injector Reference
		n1	n1	n1	n1	n1	n1	n1	
4.5	0		0.85	1.15	2.10	2.15	2.15	2.15	2555120
	2.5			0.60	1.80	2.00	2.10	2.15	2555120
	5.0				1.20	1.50	2.10	2.10	2555120
	7.5				0.65	0.85	1.70	2.10	2555120
	10.0				0.60	0.75	1.20	1.85	2555120
	12.5				0.30	0.70	0.90	1.40	2555110
	15.0					0.40	0.70	1.0	255585
	17.5						0.60	0.9	255585
	20.0						0.40	0.75	255585
	22.5							0.55	255585
	25.0							0.40	255585
	27.5								255576
	30.0								255576
Motive flow (m^3/hr)		0.9	1.5	1.8	2.1	2.6	2.8	3.0	

Suction Lift mtr	Discharge Head mwc	Suction capacities (m^3/hr) Motive pressure (Kg/cm^2)							
		1	2	3	4	5	6	7	Injector Reference
		n1	n1	n1	n1	n1	n1	n1	
6	0		0.85	1.75	1.95	2.10	2.20	2.20	2555120
	2.5			0.80	1.65	2.00	2.10	2.10	2555120
	5.0				0.80	1.50	1.95	2.10	2555120
	7.5					0.85	1.75	1.70	2555120
	10.0					0.85	1.00	1.60	2555120
	12.5					0.70	0.70	1.30	2555110
	15.0					0.30	0.65	0.85	255585
	17.5						0.60	0.80	255585
	20.0						0.30	0.65	255585
	22.5							0.45	255585
	25.0							0.25	255585
	27.5								255576
	30.0								255576
Motive flow (m^3/hr)									

Suction Lift mtr	Discharge Head mwc	Suction capacities (m^3/hr) Motive pressure (Kg/cm^2)							
		1	2	3	4	5	6	7	Injector Reference
		n1	n1	n1	n1	n1	n1	n1	
7.5	0		0.3	0.9	1.30	1.40	1.50	1.50	2555120
	2.5				1.20	1.30	1.50	1.50	2555120
	5.0				0.60	0.85	1.50	1.40	2555120
	7.5					0.50	0.95	1.40	2555120
	10.0					0.40	0.60	1.20	2555120
	12.5					0.40	0.60	1.20	2555110
	15.0					0.40	0.60	0.75	255585
	17.5						0.50	0.70	255585
	20.0						0.30	0.60	255585
	22.5							0.50	255585
	25.0							0.10	255585
	27.5								255576
	30.0								255576
Motive flow (m^3/hr)		0.9	1.5	1.8	2.1	2.6	2.8	3.0	

EJECTOR CAPACITY RATIOS (CR)

Ejector Size mm	15	20	25	40	50	65	80	100	125	150	200
CR	0.25	0.56	1	2.25	4	6.25	9	16	25	36	64

Note:

- For higher backpressures contact us.
- Design subject to change.