

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	1.785	2.77	3.125	3.125	4.166	5.0	5.04	2565140
	2.5		0.833	1.923	2.50	3.125	4.166	5.0	2565140
	5.0			1.086	2.083	2.272	3.571	4.2	2565140
	7.5			0.534	1.25	1.666	2.77	3.6	2565140
	10.0					1.136	2.083	3.15	2565140
	12.5					0.8	1.79	2.52	2565140
	15.0					0.7	1.56	2.27	2565130
	17.5					0.6	0.83	1.66	2565100
	20.0					0.2	0.83	1.25	2565100
	22.5						0.44	0.9	2565100
	25.0						0.20	0.55	2565100
	27.5						0.17	0.4	2565100
30.0							0.26	256590	
Motive flow (m ³ /hr)		1.4	2.1	2.7	3.2	3.6	4.0	4.3	
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	1.2	1.8	2.50	2.9	3.0	3.0	3.0	2565140
	2.5		0.45	1.60	2.5	3.0	3.0	3.0	2565140
	5.0			0.65	1.85	2.5	2.9	3.0	2565140
	7.5				0.95	1.7	2.4	2.6	2565140
	10.0					1.5	1.7	2.0	2565140
	12.5					1.3	1.4	1.8	2565130
	15.0					1.20	1.25	1.75	2565100
	17.5						1.15	1.20	2565100
	20.0						0.6	0.6	2565100
	22.5						0.4	0.6	2565100
	25.0							0.3	2565100
	27.5							0.3	256590
30.0							0.25	256590	
Motive flow (m ³ /hr)		1.4	2.1	2.7	3.2	3.6	4.0	4.3	
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	0.6	1.8	2.25	2.80	2.95	3.0	3.0	2565140
	2.5			1.20	2.15	2.80	3.0	3.0	2565140
	5.0			0.30	1.30	2.15	2.9	3.0	2565140
	7.5				0.30	1.25	2.4	2.7	2565140
	10.0					0.40	1.7	1.95	2565140
	12.5						1.4	1.60	2565130
	15.0						1.1	1.30	2565100
	17.5						0.5	0.8	2565100
	20.0						0.5	0.8	2565100
	22.5						0.25	0.5	2565100
	25.0							0.25	2565100
	27.5							0.25	256590
30.0								256590	
Motive flow (m ³ /hr)		1.4	2.1	2.7	3.2	3.6	4.0	4.3	

Suction Lift mtr	Discharge Head mwc	Suction capacities (m ³ /hr)									
		Motive pressure (Kg/cm ²)							Injector Reference		
		1	2	3	4	5	6	7			
n1	n1	n1	n1	n1	n1	n1	n1	2565140			
4.5	0		1.05	1.80	2.55	2.65	2.70	2.80	2565140		
	2.5			0.50	1.80	2.65	2.70	2.80	2565140		
	5.0				1.0	1.80	2.50	2.60	2565140		
	7.5					1.25	1.90	2.10	2565140		
	10.0					0.30	1.20	1.70	2565130		
	12.5						0.9	1.30	2565100		
	15.0						0.8	1.30	2565100		
	17.5						0.5	0.80	2565100		
	20.0						0.5	0.80	2565100		
	22.5						0.3	0.50	2565100		
	25.0							0.30	256590		
	27.5							0.20	256590		
30.0							0.15	256590			
Motive flow (m ³ /hr)		1.4	2.1	2.7	3.2	3.6	4.0	4.3			
Suction Lift mtr	Discharge Head mwc	Suction capacities (m ³ /hr)									
		Motive pressure (Kg/cm ²)							Injector Reference		
		1	2	3	4	5	6	7			
n1	n1	n1	n1	n1	n1	n1	n1				
6.0	0		0.7	1.65	2.15	2.10	2.40	2.60	2565140		
	2.5				1.50	2.10	2.35	2.55	2565140		
	5.0				0.40	1.45	2.10	2.25	2565140		
	7.5					0.65	1.50	2.15	2565140		
	10.0						0.65	1.20	2565140		
	12.5						0.45	1.20	2565130		
	15.0						0.45	1.20	2565100		
	17.5						0.45	0.9	2565100		
	20.0						0.45	0.9	2565100		
	22.5							0.6	2565100		
	25.0							0.4	2565100		
	27.5							0.3	256590		
30.0											
Motive flow (m ³ /hr)		1.4	2.1	2.7	3.2	3.6	4.0	4.3			
Suction Lift mtr	Discharge Head mwc	Suction capacities (m ³ /hr)									
		Motive pressure (Kg/cm ²)							Injector Reference		
		1	2	3	4	5	6	7			
n1	n1	n1	n1	n1	n1	n1	n1				
7.5	0		0.15	1.2	1.5	1.8	1.8	1.8	2565140		
	2.5				1.1	1.8	1.8	1.8	2565140		
	5.0				0.3	1.22	1.15	1.75	2565140		
	7.5					0.45	0.95	1.50	2565140		
	10.0						0.45	0.85	2565140		
	12.5						0.45	0.70	2565130		
	15.0						0.45	0.70	2565100		
	17.5						0.45	0.70	2565100		
	20.0						0.45	0.70	2565100		
	22.5						0.30	0.45	2565100		
	25.0							0.25	2565100		
	27.5								256590		
30.0								256590			
Motive flow (m ³ /hr)		1.4	2.1	2.7	3.2	3.6	4.0	4.3			
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.