

SHALLOW WELL PERFORMANCE RATINGS

HP/Model	½ HP - J5					½ HP - J5					¾ HP - J7					1 HP - J10					1½ HP - J15					
Shallow Well Package	FH5					FH5H (High Pressure Model)					FH7					FH10					FH15					
Adapter	4K62																									
Nozzle	AN017					AN019					AN018					AN018					AN022					
Venturi	AD3731					AD3528					AD3536					AD3538					AD3542					
Total Suction Lift (feet)	Discharge Pressure - PSI					Discharge Pressure - PSI					Discharge Pressure - PSI					Discharge Pressure - PSI					Discharge Pressure - PSI					
	20	30	40	50	Max. Shut off (PSI)	20	30	40	50	60	Max. Shut off (PSI)	30	40	50	60	Max. Shut off (PSI)	30	40	50	60	Max. Shut off (PSI)	30	40	50	60	Max. Shut off (PSI)
	Gallons per minute					Gallons per minute					Gallons per minute					Gallons per minute					Gallons per minute					
5	17.5	16.5	10.2	5.0	63	11.5	11.3	11.0	7.7	4.8	83	21.3	18.3	12.5	6.6	70	24.8	24.4	16.6	9.9	74	26.6	26.3	25.0	15.6	80
10	15.7	14.4	9.2	4.3	61	10.3	10.0	9.6	7.0	4.2	81	18.8	17.3	11.3	5.0	68	22.9	22.2	15.8	8.6	72	24.7	24.3	22.6	13.9	77
15	13.7	12.5	8.0	3.6	59	8.8	8.6	8.3	6.3	3.7	79	16.4	15.5	9.6	3.7	66	19.8	19.5	13.8	6.9	70	21.6	21.5	20.4	12.9	75
20	11.5	10.4	7.1	2.3	57	7.0	7.0	6.8	5.8	3.2	76	13.6	13.2	8.3	2.0	63	16.6	16.6	12.2	5.6	67	18.1	18.0	17.6	12.0	73
25	8.7	8.6	6.2	1.3	54	5.3	5.2	5.2	5.0	2.8	73	10.0	9.9	6.4	1.0	59	12.5	12.4	10.4	3.6	65	14.0	14.0	14.0	10.1	71

TWIN PIPE PERFORMANCE RATINGS

HP/Model	½ HP - J5				¾ HP - J7				1 HP - J10				1½ HP - J15				
Well Casing min. I.D.	4		4½		4		4½		4		4½		4½				
Pressure	1		1¼		1		1¼		1		1¼		1¼				
Suction Pipe Size (in.)	1¼		1½		1¼		1½		1¼		1½		1½				
① Jet Assembly Package	FT4-13	FT4-31	FT4-08	FT5-14	FT4-14	FT4-34	FT4-18	FT5-47	FT5-48	FT4-44	FT4-43	FT4-18	FT5-49	FT5-11	FT5-12	FT5-11	
Jet Body (only)	AT4		AT5		AT4		AT5		AT4		AT5		AT5				
Nozzle	AN017	AN016	AN015	AN018	AN017	AN016	AN016	AN018	AN017	AN017	AN017	AN016	AN019	AN018	AN019	AN018	
Venturi	AD726	AD723	AD720	AD724	AD729	AD725	AD722	AD730	AD725	AD730	AD727	AD722	AD732	AD727	AD734	AD727	
② Control Valve Setting (PSI)	30	30	30	30	28	29	30	28	30	31	33	35	30	32	35	40	
Feet	Gallons Per Minute (GPM) 30-50 PSI Pressure Switch Setting																
Depth to Jet Assembly (based on submergence of 5 feet)	30	13.0	11.0			15.8			16.6		17.0			19.3		21.2	
	40	11.8	9.0			15.7			16.0		16.6			18.0		20.0	
	50		7.6		6.9	13.2			15.0		14.4			16.0		16.1	
	60		7.0	5.2	6.4	10.2			13.0		11.5	11.2		14.3		15.0	
	70			4.7	5.6		8.2		11.0	10.0		9.3		12.6		14.0	11.2
	80			3.8	4.8		6.5			8.6		7.3	6.2	10.0	10.0		10.6
	90			3.1	4.1		5.0	5.0		7.3			6.1		8.7		9.0
	100							4.4		6.0			5.4		7.0		7.6
	110							3.5		5.0			4.5		5.7		6.2
	120														4.5		5.2
	130																4.0
	140																2.8
	150																1.5
160																	
170																	

NOTE: An offset of 50 feet will result in a decrease of about 25% from ratings as shown.

- ① Jet assembly package includes jet body (AT4), venturi, nozzle and foot valve.
- ② Deep well jet pumps require a pressure control device on the discharge to provide back pressure to the jet assembly. Failure to control the amount of discharge by adjusting the back pressure (pressure control valve setting) will cause the pump to lose prime. On pumps with low control valve settings, up to 40 psi, a simple ball valve or AV15 will work. On systems with control valve settings of 40 - 80 psi an AV22, AV22KIT or AV21 is required. They measure the pressure on the outbound side so that the high pressure does not open the 30-50 psi switch and turn the pump off.

PACKER SYSTEM PERFORMANCE RATINGS

HP/Model	½ HP - J5				¾ HP - J7				1 HP - J10				1½ HP - J15					
Well Casing	2		3		2		3		2		3		3					
Suction Pipe Size (in.)	1¼		1½		1¼		1½		1¼		1½		1½					
Jet Assembly Package ①	FP2-13	FP2-31	FP2-08	FP3-36	FP3-24	FP2-40	FP2-47	FP3-53	FP3-54	FP2-48	FP2-43	FP3-55	FP3-14	FP3-16	FP3-18	FP3-21	FP3-24	
Jet Body (only)	AP2		AP3		AP2		AP3		AP2		AP3		AP3					
Nozzle	AN017	AN016	AN015	AN021	AN018	AN015	AN018	AN017	AN016	AN016	AN019	AN018	AN019	AN018	AN021	AN023	AN018	
Venturi	AD726	AD723	AD720	AD730	AD724	AD727	AD723	AD730	AD725	AD729	AD725	AD732	AD727	AD735	AD723	AD731	AD724	
Control Valve Setting (PSI) ②	30	30	30	30	30	30	32	27	30	35	36	28	32	34	34	34	39	
Feet	Gallons Per Minute (GPM) 30-50 PSI Pressure Switch Setting																	
Depth to Jet Assembly (based on submergence of 5 feet)	30	11.9	9.5		13.1		13.8		16.8		16.7		19.3		24.4			
	40	10.6	7.9		12.6		13.5		16.8		14.6		19.3		23.1			
	50		7.6		10.7	6.9	11.5		15.3		13.5		18.0		20.2			
	60		6.7	4.8	8.8	6.5	9.0	7.8	13.5		11.0	9.2	15.3		16.9	15.0		
	70			4.3	7.3	5.6		7.1	11.5	9.8		9.0	12.7			14.4		
	80			3.5		4.8		5.1		8.6		7.3	10.2	10.3		12.9		
	90							4.3		7.3		5.6		8.8		10.9	10.3	
	100									6.2		4.2		7.2			9.6	7.3
	110									5.0				5.8			8.2	6.5
	120													4.5			6.9	5.8
	130																5.8	5.0
	140																4.7	4.5
	150																3.4	4.0
160																	3.3	
170																	2.8	

NOTE: An offset of 50 feet will result in a decrease of about 25% from ratings as shown. Special turned (diameter) couplings are required on 2" packer systems, order no. 64655 in Jet and Sub price book.

- ① Jet Assembly Package includes jet body, AP2 or AP3; built-in check valve, nozzle and venturi.
- ② Same as above

PERFORMANCE RATINGS - TWIN PIPE SYSTEMS

HP/Model		½ HP-VJ05		¾ HP-VJ07			1HP-VJ10	
Well Casing Min. I.D. (In.)		4						
Pressure Suction	Pipe Size In.	1						
		1¼						
Jet Assembly Package ①		FT4-46	FT4-08	FT4-47	FT4-46	FT4-06	FT4-14	FT4-09
Jet Body (only)		AT4						
Nozzle		AN014	AN015	AN013	AN014		AN017	AN015
Venturi		AD722	AD720	AD724	AD722	AD720	AD729	AD721
Control Valve Setting (PSI) ②		23		34		40	34	36
Feet		Gallons per Minute 30-50 Pressure Switch Setting						
Depth to Jet Assembly (based on submergence of 5 feet)	30	12.2		15.2			18.8	
	40	11.7		13.2			16.7	
	50	10.0		11.7			15.0	
	60	8.2	8.3	9.7	10.0		12.7	
	70		5.8		8.3		10.0	
	80		5.0		7.1		7.9	
	90		3.8		5.8	5.8	5.3	5.8
	100					5.0		5.0
	110					3.8		4.6
	120							3.3

NOTE: An offset of 50 feet will result in a decrease of about 25% from ratings as shown.

① Jet assembly package includes jet body (AT4), venturi, nozzle and foot valve.

② Deep well jet pumps require a pressure control device on the discharge to provide back pressure to the jet assembly. Failure to control the amount of discharge by adjusting the back pressure (pressure control valve setting) will cause the pump to lose prime. The AV21 measures the pressure on the outbound side so that the high pressure does not open the 30-50 psi switch and turn the pump off.

PERFORMANCE RATINGS - PACKER SYSTEM

HP/Model		½ HP-VJ05				¾ HP-VJ07				1HP-VJ10					
Well Casing (In.)		2		3		2		3		2		3			
Suction	Pipe Size In.	1¼		1½		1¼		1½		1¼		1½			
Jet Assembly Package ①		FP2-38	FP2-08	FP3-42	FP3-09	FP2-50	FP2-47	FP2-09	FP3-40	FP3-43	FP2-48	FP2-43	FP2-08	FP3-40	FP3-49
Jet Body (only)		AP2		AP3		AP2		AP3		AP2		AP3			
Nozzle		AN014	AN015	AN014	AN016	AN013	AN015		AN013	AN014	AN016		AN015		
Venturi		AD722	AD720	AD722	AD721	AD724	AD723	AD721	AD724	AD721	AD729	AD725	AD720	AD724	AD723
Control Valve ② Setting (PSI)		23				34				36		34	36		
Feet		Gallons per Minute 30-50 Pressure Switch Setting													
Depth to Jet Assembly (based on submergence of 5 feet)	30	12.2		12.5		15.2			15.8		18.8			18.8	
	40	10.8		11.3		13.2			13.7		16.7			16.7	
	50	9.0		10.0		11.3			11.7		14.2			15.0	
	60	7.5	7.7	8.2	8.3	9.3	10.3		10.0	10.3	11.7	11.0		12.5	
	70		5.5		6.8		8.7			9.6		9.3		10.0	
	80		4.6		5.8		6.8			8.2		7.7		8.3	
	90		3.4		4.3		5.3			6.7		5.7		6.3	6.5
	100				3.5		4.0	4.2		5.4		4.6	4.6		5.8
	110							3.3		4.3			3.3		5.0
	120							2.3		3.3			2.9		4.2
	130									2.9					3.3
140														2.9	

NOTE: An offset of 50 feet will result in a decrease of about 25% from ratings as shown. Special turned (diameter) couplings are required on 2" packer systems, order no. 64655 in Jet and Sub price book.

① Jet Assembly Package includes jet body, AP2 or AP3; built-in check valve, nozzle and venturi.

② Deep well jet pumps require a pressure control device on the discharge to provide back pressure to the jet assembly. Failure to control the amount of discharge by adjusting the back pressure (pressure control valve setting) will cause the pump to lose prime. The AV21 measures the pressure on the outbound side so that the high pressure does not open the 30-50 psi switch and turn the pump off.

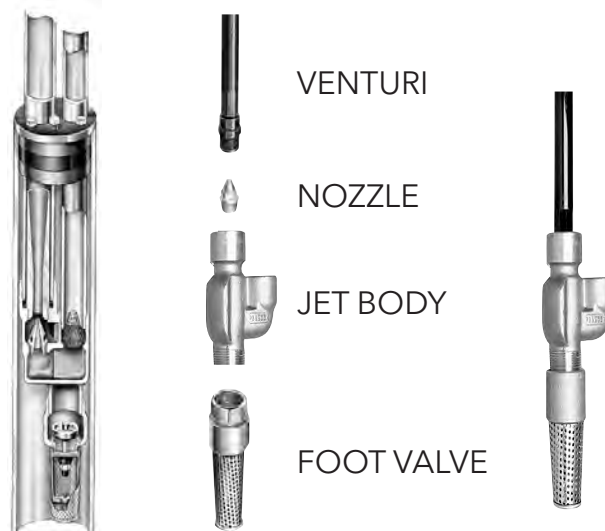
PERFORMANCE RATINGS – TWIN PIPE SYSTEMS

HP/Model	¾ HP - SJ07			1 HP - SJ10			1½ HP - SJ15			2 HP - SJ20			
Well Casing Min. I.D. in.	4												
Pressure	1												
Suction Pipe Size (in.)	1¼												
Jet Assembly Package ①	FT4-48	FT4-47	FT4-06	FT4-47	FT4-24	FT4-08	FT4-45	FT4-30	FT4-29	FT4-45	FT4-30	FT4-29	
Jet Body (Only)	AT4												
Nozzle	AN012	AN013	AN014	AN013	AN015			AN013					
Venturi	AD727	AD724	AD720	AD724		AD720	AD726	AD722	AD719	AD726	AD722	AD719	
Control Valve Setting (PSI) ②	37	40			43		62	65	67	76	78	80	
Depth to Jet Assembly (based on submergence of 5 feet)	Feet	Gallons Per Minute (GPM) 30-50 Pressure Switch Setting											
	30	15.2			16.0			13.0			13.0		
	40	13.5			15.2			13.0			13.0		
	50	11.8			14.7			13.0			13.0		
	60	10.7			13.7			12.8			12.8		
	70	8.5	9.0		11.7	11.7		12.2			12.8		
	80		7.5			10.5		10.6			12.0		
	90		6.2	6.2		9.0		9.2	9.3		11.3		
	100			5.8		7.5			9.0		9.5	9.5	
	110			5.0		6.3	6.0			8.0			9.4
	120			4.6			5.0			7.0			8.5
	130			4.0			4.3			6.2	5.8		7.7
	140						4.0				5.6		6.8
	150						3.5			5.2		6.0	5.7
	160									4.7			5.5
	170									4.2			5.3
	180									3.7			5.0
190									3.2			4.7	
200												3.8	

NOTE: An offset of 50 feet will result in a decrease of about 25% from ratings as shown.

① Jet assembly package includes jet body (AT4), venturi, nozzle and foot valve.

② Deep well jet pumps require a pressure control device on the discharge to provide back pressure to the jet assembly. Failure to control the amount of discharge by adjusting the back pressure (pressure control valve setting) will cause the pump to lose prime. On pumps with low control valve settings, up to 40 psi, a simple ball valve or AV15 will work. On systems with control valve settings of 40 - 80 psi an AV22, AV22KIT or AV21 is required. They measure the pressure on the outbound side so that the high pressure does not open the 30-50 psi switch and turn the pump off.



PERFORMANCE RATINGS – PACKER SYSTEM

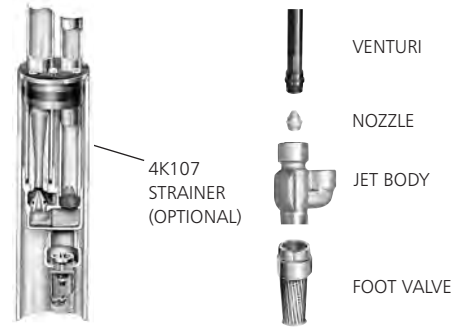
HP/Model	¾ HP SJ07					1 HP SJ10					1½ HP SJ15					2 HP SJ20							
Well Casing In.	2		3			2		3			2		3			2		3					
Suction Pipe Size (in.)	1¼		1½			1¼		1½			1¼		1½			1¼		1½					
Jet Assembly Package ①	FP2-51	FP2-50	FP2-06	FP3-40	FP3-42	FP2-50	FP2-07	FP2-08	FP3-40	FP3-49	FP2-49	FP2-30	FP2-29	FP3-47	FP3-46	FP3-34	FP2-49	FP2-30	FP2-29	FP3-47	FP3-46	FP3-34	
Jet Body (Only)	AP2		AP3			AP2		AP3			AP2		AP3			AP2		AP3					
Nozzle	AN012	AN013	AN014	AN013	AN014	AN013	AN014	AN015	AN013	AN015	AN013												
Venturi	AD727	AD724	AD720	AD724	AD722	AD724	AD720	AD724	AD723	AD726	AD722	AD719	AD727	AD722	AD719	AD726	AD722	AD719	AD727	AD722	AD719		
Pressure ② Control Valve Setting (PSI)	40		36	40		45		40	43	62	65	67	62	64	66	76	78	80	75	78	80		
Depth to Jet Assembly (based on submergence of 5 feet)	Feet																						
	Gallons Per Minute 30-50 Pressure Switch Setting																						
	30	14.9			15.3		15.8			16.3		13.0			14.7			13.0			14.7		
	40	13.1			13.5		14.0			16.0		13.0			14.5			13.0			14.7		
	50	11.6			12.5		12.5			15.5		12.9			14.3			13.0			14.7		
	60	10.5			12.2		11.2	11.3		14.2		12.7			14.3			13.0			14.5		
	70	8.4	8.8		11.8			10.0		12.5		11.8			14.2			12.8			14.5		
	80		7.6		10.2	8.5		8.7		10.0		10.2			12.2			11.8			13.5		
	90		6.1	6.2		7.8		7.3		8.3	9.0	8.3	9.1		10.0			10.5			12.7		
	100			5.7		6.9		5.5			8.2		8.3		7.8	9.1		8.5	9.1		10.5		
	110			4.3		6.0		4.2	4.8		7.3		7.3			8.8			8.9		8.3	9.1	
	120			3.8		5.3			4.0		6.7		6.2			7.6			7.9			9.1	
	130			2.2		4.5			3.5		5.8		5.4	5.6		6.9			6.9			8.8	
	140								3.0		4.8			5.3		6.2			6.0			8.2	
	150								2.4		4.1			4.8		5.4	5.6		5.2	5.6		7.3	
	160													4.3			5.5			5.4		6.5	
	170																5.0			4.9		5.7	5.7
180																4.7			4.3			5.6	
190																4.3			3.8			5.5	
200																3.8			3.3			5.3	
210																3.3						4.8	
220																						4.5	
230																						4.0	

NOTE: An offset of 50 feet will result in a decrease of about 25% from ratings as shown. Special turned (diameter) couplings are required on 2" packer systems, order no. 64655 in Jet and Sub price book.

- ① Jet Assembly Package includes jet body, AP2 or AP3; built-in check valve, nozzle and venturi.
- ② Deep well jet pumps require a pressure control device on the discharge to provide back pressure to the jet assembly. Failure to control the amount of discharge by adjusting the back pressure (pressure control valve setting) will cause the pump to lose prime. On pumps with low control valve settings, up to 40 psi, a simple ball valve or AV15 will work. On systems with control valve settings of 40 - 80 psi an AV22, AV22KIT or AV21 is required. They measure the pressure on the outbound side so that the high pressure does not open the 30-50 psi switch and turn the pump off.



Deep Well Twin Pipe System



PERFORMANCE RATINGS — TWIN PIPE SYSTEMS – 4" WELL

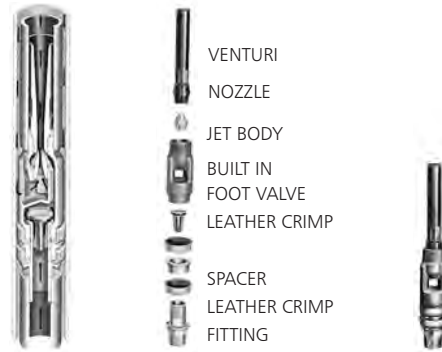
HP/Model		¾ HP – HSJ07N			1 HP – HSJ10N			1½ HP – HSJ15N			2 HP – HSJ20N		
Jet Assembly Package ①		FT4-48	FT4-47	FT4-06	FT4-47	FT4-24	FT4-08	FT4-45	FT4-30	FT4-29	FT4-45	FT4-30	FT4-29
Pressure Suction	Pipe Size (in.)	1"											
		1¼"											
Nozzle		AN012	AN013	AN014	AN013	AN015		AN013					
Venturi		AD727	AD724	AD720	AD724		AD720	AD726	AD722	AD719	AD726	AD722	AD719
Pressure Control Valve Setting (PSI) ②		37	40			43		62	65	67	76	78	80
Depth to Jet Assembly (based on submergence of 5 feet)	Feet	Gallons Per Minute (GPM) 30-50 Pressure Switch Setting											
	30	15.1			16.0			13.0			13.0		
	40	13.5			15.2			13.0			13.0		
	50	11.8			14.7			13.0			13.0		
	60	10.7			13.7			12.8			12.8		
	70	8.5	9.0		11.7	11.7		12.2			12.8		
	80		7.5			10.5		10.6			12.0		
	90		6.2	6.2		9.0		9.2	9.3		11.3		
	100			5.8		7.5			9.0		9.5	9.5	
	110			5.0		6.3	6.0		8.0			9.4	
	120			4.6			5.0		7.0			8.5	
	130			4.0			4.3		6.2	5.8		7.7	
	140						4.0			5.6		6.8	
	150						3.5			5.2		6.0	5.7
	160									4.7			5.5
	170									4.2			5.3
	180									3.7			5.0
190									3.2			4.5	
200												3.8	

NOTE: An offset of 50 feet will result in a decrease of about 25% from ratings as shown.

① Jet assembly package includes jet body (AT4), venturi, nozzle and foot valve.

② Deep well jet pumps require a pressure control device on the discharge to provide back pressure to the jet assembly. Failure to control the amount of discharge by adjusting the back pressure (pressure control valve setting) will cause the pump to lose prime. On pumps with low control valve settings, up to 40 psi, a simple ball valve or AV15 will work. On systems with control valve settings of 40 - 80 psi an AV22, AV22KIT or AV21 is required. They measure the pressure on the outbound side so that the high pressure does not open the 30-50 psi switch and turn the pump off.

Deep Well Packer System



PERFORMANCE RATINGS — PACKER SYSTEM

HP/Model	¾ HP – HSJ07N					1 HP – HSJ10N					1½ HP – HSJ15N					2 HP – HSJ20N						
Well Casing (in.)	2		3			2		3			2		3			2		3				
Suction Pipe Size (in.)	1¼		1½			1¼		1½			1¼		1½			1¼		1½				
Jet Assembly Package ①	FP2-51	FP2-50	FP2-06	FP3-40	FP3-42	FP2-50	FP2-07	FP2-08	FP3-40	FP3-49	FP2-49	FP2-30	FP2-29	FP3-47	FP3-46	FP3-34	FP2-49	FP2-30	FP2-29	FP3-47	FP3-46	FP3-34
Jet Body (Only)	AP2		AP3			AP2		AP3			AP2		AP3			AP2		AP3				
Nozzle	AN012	AN013	AN014	AN013	AN014	AN013	AN014	AN015	AN013	AN015	AN013											
Venturi	AD727	AD724	AD720	AD724	AD722	AD724	AD720	AD724	AD723	AD726	AD722	AD719	AD727	AD722	AD719	AD726	AD722	AD719	AD727	AD722	AD719	
Pressure ② Control Valve Setting (PSI)	40		36	40		45		40	43	62	65	67	62	64	66	76	78	80	75	78	80	
Depth to Jet Assembly (based on submergence of 5 feet)	Feet	Gallons Per Minute (GPM) 30-50 Pressure Switch Setting																				
	30	14.9			15.3		15.8			16.3		13.0			14.7			13.0			14.7	
	40	13.1			13.5		14.0			16.0		13.0			14.5			13.0			14.7	
	50	11.6			12.5		12.5			15.5		12.9			14.3			13.0			14.7	
	60	10.5			12.2		11.2	11.3		14.2		12.7			14.3			13.0			14.5	
	70	8.4	8.8		11.8			10.0		12.5		11.8			14.2			12.8			14.5	
	80		7.6		10.2	8.5		8.7		10.0		10.2			12.2			11.8			13.5	
	90		6.0	6.2		7.8		7.3		8.3	9.0	8.3	9.1		10.0			10.5			12.7	
	100			5.7		6.9		5.5			8.2		8.3		7.8	9.1		8.5	9.1		10.5	
	110			4.3		6.0		4.2	4.8		7.3		7.3			8.8			8.9		8.3	9.1
	120			3.8		5.3			4.0		6.7		6.2			7.6			7.9			9.1
	130			2.2		4.5			3.5		5.8		5.4	5.6		6.9			6.9			8.8
	140								3.0		4.8			5.3		6.2			6.0			8.2
	150								2.4		4.1			4.8	5.4	5.6		5.2	5.6			7.3
	160													4.3		5.5			5.4			6.5
	170													3.6		5.0			4.9			5.7
180													3.0		4.7			4.3				5.6
190															4.3			3.8				5.5
200															3.8			3.3				5.3
210															3.3							4.8
220																						4.5
230																						4.0

NOTE: An offset of 50 feet will result in a decrease of about 25% from ratings as shown. Special turned (diameter) couplings are required on 2" packer systems, order no. 64655 in Jet and Sub price book.

① Jet Assembly Package includes jet body, AP2 or AP3; built-in check valve, nozzle and venturi.

② Deep well jet pumps require a pressure control device on the discharge to provide back pressure to the jet assembly. Failure to control the amount of discharge by adjusting the back pressure (pressure control valve setting) will cause the pump to lose prime. On pumps with low control valve settings, up to 40 psi, a simple ball valve or AV15 will work. On systems with control valve settings of 40 - 80 psi an AV22, AV22KIT or AV21 is required. They measure the pressure on the outbound side so that the high pressure does not open the 30-50 psi switch and turn the pump off.