# Goulds Water Technology

# Residential Water Systems

#### **SHALLOW WELL PERFORMANCE RATINGS**

HP/Model		1/2	HP -	J5			1	∕₂ HP	' - J5				3/4	HP -	J7			1 H	IP - J	10			1½	HP -	J15	
Shallow Well Package			FH5			FH5H	H (Hiç	gh Pr	essu	re M	odel)			FH7				F	-H10				F	-H15		
Adapter													4K	62												
Nozzle		Α	N01	7				AN(	)19				А	N01	8			А	N018	3			А	N022	2	
Venturi		Α[	D373	1				AD3	528				ΑI	D353	6			Αl	D353	8			ΑI	D354	2	
	Disc	Discharge Pressure - PS			- PSI	D	ischa	rge Pı	ressui	re - P	SI	Disc	harge	Pres	sure ·	- PSI	Disc	harge	e Pres	sure	- PSI	Discl	narge	Pres	sure -	- PSI
	20	30	40	50	Max.	1	30	40	50	60	Max.	30	40	50	60		30	40	50	60	Max.	30	40	50	60	Max.
Total Suction Lift (feet)	G	iallor min		r	Shut off (PSI)	Ga	llons	per	minu	ite	Shut off (PSI)	G	allor min		r	Shut off (PSI)	G	allor min	ns pe ute	r	Shut off (PSI)	G	allor min	ns pe ute	r	Shut off (PSI)
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				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	(PSI)    1.5   11.3   11.0   7.7   4.8   83   2     2.3   10.0   9.6   7.0   4.2   81   1     8   8.6   8.3   6.3   3.7   79   1     0   7.0   6.8   5.8   3.2   7.6   1				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/Mod	del			½ HF	P - J5			3,	4 HP - J	7			1	HP - J1	0		1½ HF	P - J15
Well Ca	sing mi	in. I.D.		4		41/2		4		4	1/2		4		4	1/2	4	.1/2
Pressure	е	Pipe		1		11/4		1		1	1/4		1		1	1/4	1	1/4
Suction		Size (in.)		11⁄4		11/2		11⁄4			1/2		11/4		1			1/2
① Jet As	ssembly	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 Bod	ly (only)			AT4		AT5		AT4			T5		AT4		A		A	
Nozzle								AN016										
Venturi			AD726			AD724									AD732	AD727	AD734	AD727
② Contro	ol Valve Se	etting (PSI)	30	30	30	30	28	29	30	28	30	31	33	35	30	32	35	40
		Feet						Per Mir	ute (GF		50 PSI I		Switch	Setting				
		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	
feet)		50		7.6		6.9	13.2			15.0		14.4			16.0		16.1	
25		60		7.0	5.2	6.4	10.2			13.0		11.5	11.2		14.3		15.0	
ا أو أو		70			4.7	5.6		8.2		11.0	10.0		9.3		12.6		14.0	11.2
sen		80			3.8	4.8		6.5			8.6		7.3	6.2	10.0	10.0		10.6
As		90			3.1	4.1		5.0	5.0		7.3			6.1		8.7		9.0
Jet		100							4.4		6.0			5.4		7.0		7.6
epth to Jet Assembly on submergence of 5		110							3.5		5.0			4.5		5.7		6.2
pth n s		120														4.5		5.2
Ое		130																4.0
De (based		140																2.8
9		150																1.5
		160																$\sqcup$
		170																

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

#### **PACKER SYSTEM PERFORMANCE RATINGS**

HP/Mod	del		1,	∕2 HP - 、	15			3⁄4 H	P - J7			1 HP	- J10			1½ HF	P - J15	
Well Ca	sing		2		,	3	:	2		3	2	2	;	3		(	3	
Suction Pipe Siz			11/4		1	1/2	1	1/4	1	1/2	1	1/4	1	1/2		1	1/2	
Jet Asse Package	embly e 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 Bod	y (only)		AP2			P3		P2		P3	Al	_		P3			P3	
Nozzle		AN017									AN016							
Venturi		AD726	AD723	AD720	AD730	AD724	AD727	AD723	AD730	AD725	AD729	AD725	AD732	AD727	AD735	AD723	AD731	AD724
Control Setting		30	30	30	30	30	30	32	27	30	35	36	28	32	34	34	34	39
	Feet					Gallo	ons Per	Minute	(GPM)	30-50 F	SI Pres	sure Sw	itch Se	tting				
	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			
et)	50		7.6		10.7	6.9	11.5		15.3		13.5		18.0		20.2			
2 fe	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		
of !	70			4.3	7.3	5.6		7.1	11.5	9.8		9.0	12.7			14.4		
sem	80			3.5		4.8		5.1		8.6		7.3	10.2	10.3		12.9		
Ass	90							4.3		7.3		5.6		8.8		10.9	10.3	
Jet	100									6.2		4.2		7.2			9.6	7.3
to di	110									5.0				5.8			8.2	6.5
oth n su	120													4.5			6.9	5.8
Depth to Jet Assembly (based on submergence of 5 feet)	130																5.8	5.0
ase	140																4.7	4.5
(ps	150																3.4	4.0
	160																	3.3
	170																	2.8

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.

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/Mode	el	1/2 HP	-VJ05		34 HP-VJ07		1HP-	VJ10
Well Casi Min. I.D. (					4			
Pressure	Pipe				1			
Suction	Size In.				11⁄4			
Jet Assen Package		FT4-46	FT4-08	FT4-47	FT4-46	FT4-06	FT4-14	FT4-09
Jet Body	(only)				AT4			
Nozzle		AN014	AN015	AN013	AN	1014	AN017	AN015
Venturi		AD722	AD720	AD724	AD722	AD720	AD729	AD721
Control V Setting (F		2	23	3	34	40	34	36
	Feet			Gallons per Minu	ite 30-50 Pressu	re Switch Setting		
et)	30	12.2		15.2			18.8	
Ž.	40	11.7		13.2			16.7	
of !	50	10.0		11.7			15.0	
ssen	60	8.2	8.3	9.7	10.0		12.7	
rt As	70		5.8		8.3		10.0	
o Je o me	80		5.0		7.1		7.9	
th t	90		3.8		5.8	5.8	5.3	5.8
d on	100					5.0		5.0
Depth to Jet Assembly (based on submergence of 5 feet)	110					3.8		4.6
<b>ğ</b>	120							3.3

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

 $<sup>\</sup>ensuremath{\textcircled{1}}$  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/Mod	lel		1/2 HP	-VJ05			3/	HP-VJC	)7			1	HP-VJ1	0	
Well Cas	sing (In.)		2		3		2		3	3		2		;	3
Suction	Pipe Size In.	1	1/4	1	1/2		11⁄4		1	1/2		11⁄4		1	1/2
Jet Asse Package		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	y (only)	А	P2	А	P3		AP2		Al	23		AP2		А	P3
Nozzle		AN014	AN015	AN014	AN016	AN013	AN	015	AN013	AN014		AN016		AN	015
Venturi		AD722	AD720	AD722	AD721	AD724	AD723	AD721	AD724	AD721	AD729	AD725	AD720	AD724	AD723
Control Setting (			2	23				34				36		34	36
	Feet				(	Gallons <sub> </sub>	per Minu	ıte 30-5	0 Pressu	re Switc	h Setting	<del></del>			
_	30	12.2		12.5		15.2			15.8		18.8			18.8	
feet)	40	10.8		11.3		13.2			13.7		16.7			16.7	
>10	50	9.0		10.0		11.3			11.7		14.2			15.0	
mb e of	60	7.5	7.7	8.2	8.3	9.3	10.3		10.0	10.3	11.7	11.0		12.5	
sse	70		5.5		6.8		8.7			9.6		9.3		10.0	
et A	80		4.6		5.8		6.8			8.2		7.7		8.3	
o Je	90		3.4		4.3		5.3			6.7		5.7		6.3	6.5
th t sul	100				3.5		4.0	4.2		5.4		4.6	4.6		5.8
l on	110							3.3		4.3			3.3		5.0
Pes	120							2.3		3.3			2.9		4.2
(ba	130									2.9					3.3
	Size In.  Size I														2.9

 $<sup>\</sup>textcircled{1}$  Jet Assembly Package includes jet body, AP2 or AP3; built-in check valve, nozzle and venturi.

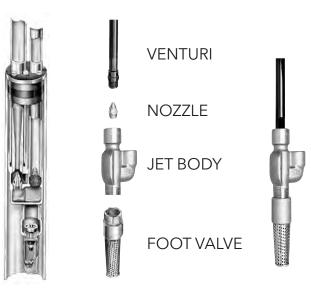
② Deep well jet pumps require a pressure control device on the discharge to provide back pressure to the jet assembly. Failure to control the amount of discharge by adjusting the back pressure (pressure control valve setting) will cause the pump to lose prime. The AV21 measures the pressure on the outbound 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/Mod	lel	3/	4 HP - SJ(	07		1 HP - SJ1	0	1	½ HP - SJ1	5	2	2 HP - SJ2	0
Well Casing Min. I.D. in.  Pressure Suction  Jet Assembly Package ①  Jet Body (Only)  Nozzle  Venturi								4					
Pressure								1					
Suction							1	1/4					
		FT4-48	FT4-47	FT4-06	FT4-47	FT4-24	FT4-08	FT4-45	FT4-30	FT4-29	FT4-45	FT4-30	FT4-29
	/		•				A	T4					
Nozzle		AN012	AN013	AN014	AN013	AN	015			AN	013		
Venturi		AD727	AD724	AD720	AD	724	AD720	AD726	AD722	AD719	AD726	AD722	AD719
Control Valve Se (PSI) ②	etting	37		40		4	13	62	65	67	76	78	80
	Feet				Gallons F	Per Minute	e (GPM) 3	0-50 Press	sure 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		
et	60	10.7			13.7			12.8			12.8		
ᇲ	70	8.5	9.0		11.7	11.7		12.2			12.8		
कु क	80		7.5			10.5		10.6			12.0		
sen	90		6.2	6.2		9.0		9.2	9.3		11.3		
As	100			5.8		7.5			9.0		9.5	9.5	
Jet	110			5.0		6.3	6.0			8.0			9.4
함	120			4.6			5.0			7.0			8.5
pth in si	130			4.0			4.3			6.2	5.8		7.7
De do	140						4.0				5.6		6.8
Depth to Jet Assembly (based on submergence of 5 feet)	150						3.5			5.2		6.0	5.7
9	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.

- $\ \ \, \oplus$  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

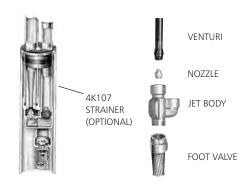
HP/N	lodel		3/4	HP SJ	07			1	HP S.	J10			•	1½ HI	P SJ1	5				2 HP	SJ20		
Well Ca	asing In.		2			3		2		3	3		2			3			2			3	
Suction	Pipe Size (in.)		11⁄4		1	1/2		11⁄4		1	1/2		11⁄4			1½			11⁄4			1½	
Jet Ass Packag	embly je ①	FP2-51	FP2-50	FP2-06	FP3-40	FP3-42	FP2-50	FP2-07	FP2-08	FP3-40	FP3-49	FP2-49	FP2-30	FP2-29	FP3-47	FP3-46	FP3-34	FP2-49	FP2-30	FP2-29	FP3-47	FP3-46	FP3-34
Jet Bo (Only)	dy		AP2		Al	P3		AP2		Al	23		AP2			AP3			AP2			AP3	
Nozzle	•	AN012	AN013	AN014	AN013	AN014	AN013	AN014	AN015	AN013	AN015						AN	013					
Ventu	ri	AD727	AD724	AD720	AD724	AD722	AD	724	AD720	AD724	AD723	AD726	AD722	AD719	AD727	AD722	AD719	AD726	AD722	AD719	AD727	AD722	AD719
Pressur Contro Setting	l Valve		40		36	4	-0	4	5	40	43	62	65	67	62	64	66	76	78	80	75	78	80
	Feet							Ga	llons	Per M	inute	30-50	) Pres	sure S	witch	Setti	ng						
	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		
feet)	80		7.6		10.2	8.5		8.7		10.0		10.2			12.2			11.8			13.5		
>10	90		6.1	6.2		7.8		7.3		8.3	9.0	8.3	9.1		10.0			10.5			12.7		
Depth to Jet Assembly (based on submergence of 5	100			5.7		6.9		5.5			8.2		8.3		7.8	9.1		8.5	9.1		10.5		
ssel	110			4.3		6.0		4.2	4.8		7.3		7.3			8.8			8.9		8.3	9.1	
A Tage	120			3.8		5.3			4.0		6.7		6.2			7.6			7.9			9.1	
o Je	130			2.2		4.5			3.5		5.8		5.4	5.6		6.9			6.9			8.8	
th t	140								3.0		4.8			5.3		6.2			6.0			8.2	
)ep	150								2.4		4.1			4.8		5.4	5.6		5.2	5.6		7.3	
Sed	160													4.3			5.5			5.4		6.5	
(pa	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

- 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		3/4	HP – HSJ0	7N	11	HP – HSJ1	0N	11/2	HP – HSJ	15N	2	HP – HSJ2	0N
Jet Assem 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	Pipe						1	"		•			
Suction	Size (in.)						11	1/4"					
Nozzle		AN012	AN013	AN014	AN013	AN	015			AN	013		
Venturi		AD727	AD724	AD720	AD:	724	AD720	AD726	AD722	AD719	AD726	AD722	AD719
Pressure C Valve Sett (PSI) ②		37		40	,	4	-3	62	65	67	76	78	80
	Feet				Gallons P	er Minute	(GPM) 3	0-50 Pres	sure Swit	ch Setting			
	30	15.1			16.0			13.0			13.0		
	40	13.5			15.2			13.0			13.0		
Ŧ	50	11.8			14.7			13.0			13.0		
ee	60	10.7			13.7			12.8			12.8		
<u>&gt;</u> <u>r</u>	70	8.5	9.0		11.7	11.7		12.2			12.8		
Depth to Jet Assembly I on submergence of 5	80		7.5			10.5		10.6			12.0		
ser	90		6.2	6.2		9.0		9.2	9.3		11.3		
As ger	100			5.8		7.5			9.0		9.5	9.5	
Jet	110			5.0		6.3	6.0		8.0			9.4	
to br	120			4.6			5.0		7.0			8.5	
su ţ	130			4.0			4.3		6.2	5.8		7.7	
on	140						4.0			5.6		6.8	
Depth to Jet Assembly (based on submergence of 5 feet)	150						3.5			5.2		6.0	5.7
oas	160									4.7			5.5
3	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/I	Model		³⁄4 H	P – HS.	J07N			1 H	P – HS	J10N			11/2	HP –	HSJ15	5N			2	HP – H	HSJ20	N	
Well (	Casing (i	n.)	2			3		2		3	3		2			3			2			3	
Sucti	on Siz (in	e	11/4		1	1/2		1 1/4		11	1/2		1 1/4			1 ½			11/4			1 ½	
	ssemb age ①	ly FP2 51	- 1	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 E (Onl	Body y)		AP2		А	Р3		AP2		AF	23		AP2			AP3			AP2			AP3	
Noz	zle	AN01	2 AN01	3 AN014	AN013	AN014	AN013	AN014	AN015	AN013	AN015						AN	013					
Vent	turi	AD72	7 AD72	4 AD720	AD724	AD722	AD:	724	AD720	AD724	AD723	AD726	AD722	AD719	AD727	AD722	AD719	AD726	AD722	AD719	AD727	AD722	AD719
Cont	sure ② rol Valv ng (PSI)		40	·	36	4	-0	4	5	40	43	62	65	67	62	64	66	76	78	80	75	78	80
	Fee	et					Ga	llons	Per M	inute	(GPM)	30-5	0 Pres	sure S	Switcl	n Sett	ing						
	30				15.3		15.8			16.3		13.0			14.7			13.0			14.7		
	40				13.5		14.0			16.0		13.0			14.5			13.0			14.7		
	50				12.5		12.5			15.5		12.9			14.3			13.0			14.7		
	60				12.2		11.2	11.3		14.2		12.7			14.3			13.0			14.5		
9	70				11.8			10.0		12.5		11.8			14.2			12.8			14.5		
4	80		7.6		10.2			8.7		10.0		10.2			12.2			11.8			13.5		
d	9		6.0	6.2		7.8		7.3		8.3	9.0	8.3	9.1		10.0			10.5			12.7		
en 3	100			5.7		6.9		5.5			8.2		8.3		7.8	9.1		8.5	9.1		10.5		
Ass	110			4.3		6.0		4.2	4.8		7.3		7.3			8.8			8.9		8.3	9.1	
Jet	120			3.8		5.3			4.0		6.7		6.2	F. C		7.6			7.9			9.1	
t 5 년	130			2.2		4.5			3.5		5.8 4.8		5.4	5.6 5.3		6.9			6.9			8.8	
Depth to Jet Assembly	140 5 150								2.4		4.8			4.8		5.4	5.6		5.2	5.6		7.3	
De	160								2.4		4.1			4.3		5.4	5.5		3.2	5.4		6.5	
6	170													3.6			5.0			4.9		5.7	5.7
4	180													3.0			4.7			4.3		5.7	5.6
	190													3.0			4.3			3.8			5.5
	200																3.8			3.3			5.3
			$\perp$	+																			
I	210	0															3.3						4.8
	210																3.3						4.8

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.