

DENISON**Hydraulics****SERVICE LITERATURE**

STEM CONTROL

THE DENISON STEM CONTROLS ARE FOR USE WITH
DENISON VARIABLE VOLUME PUMPS

OLD MODEL NO.	SERIES	NEW MODEL NO.
PA-072-561-L	600	PV06-007-51L-01
PA-072-561-R	600	PV06-007-51R-01
PA-202-571-L	700	PV07-020-51L-01
PA-202-571-R	700	PV07-020-51R-01
PA-352-581-L	800	PV08-035-51L-01
PA-352-581-R	800	PV08-035-51R-01

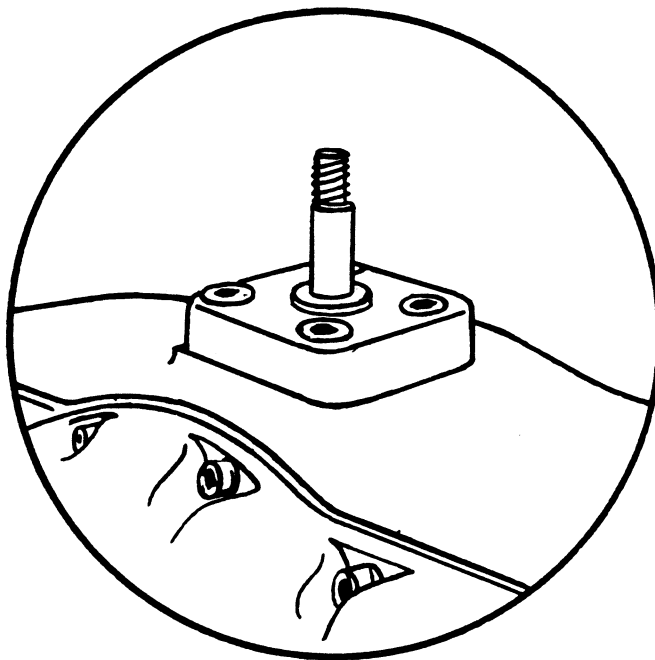
GENERAL INFORMATION

Denison hydraulic pumps, utilizing stem control of pump delivery, are available in three sizes – 600, 700 and 800. The stem control is mounted on a pad on top the pump housing and is directly connected to the pump hanger or yoke which regulates piston stroke length. Movement of the sliding stem can be effected manually or mechanically to regulate maximum delivery as it is adaptable to linkage for mechanical control. A minimum delivery limit adjustment is provided which is also mounted on a pad on the bottom of the pump housing.

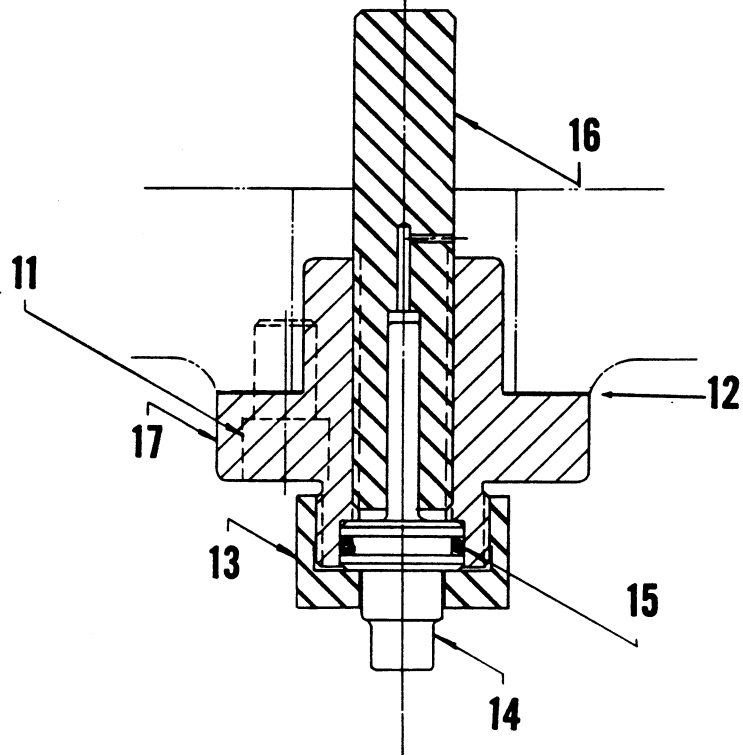
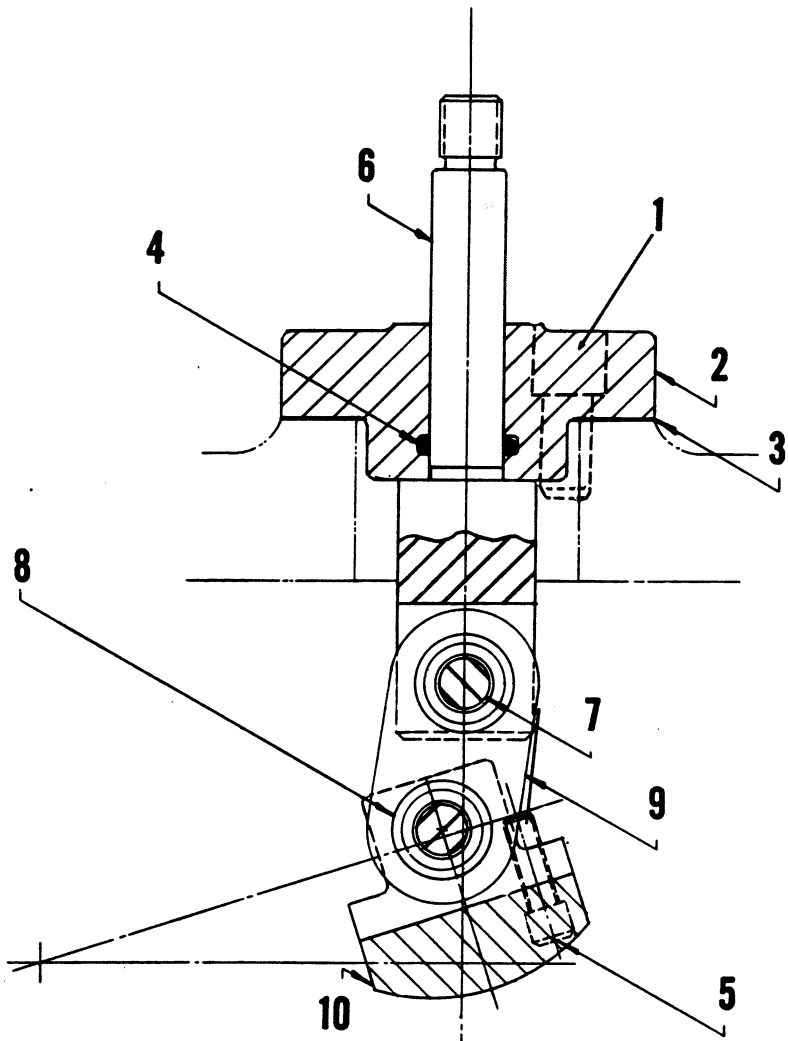
These pumps operate at 5000 psi and deliver a maximum of 10, 20 and 35 gpm respectively. The 600 series pumps are rated at 7 gpm for 1200 rpm and 10 gpm at 1800 rpm. The 700 and 800 series pumps deliver 20 and 35 gpm at 1200 rpm.

The pumps are of heavy construction and all are similar in operating characteristics and physical appearance except for size. Inlet and outlet ports feature heavy flanges to which piping is attached. It is not necessary to break the pipe seals to remove the pump. Efficiency means economy and satisfactory service for many hydraulic power requirements.

All variable volume pumps have a minimum stop adjustment which is located below the hanger housing. This stop controls the minimum flow of the pump. The adjustment of this control is set at



the factory and should not be adjusted unless it is desirable to operate the pump above the minimum volume. This is done by loosening the lock nut and turning the adjustment nut clockwise until the minimum flow desired is reached, then tighten lock nut.



PARTS LIST

STEM CONTROL FOR VARIABLE VOLUME PUMPS

ITEM	DESCRIPTION 1 2	SERIES			QTY.
		'600'	'700'	'800'	
		CODE NO. FOR COMPLETE ASS'Y			
		S15-10810	S15-99785	S15-99790	
		PART NO.	PART NO.	PART NO.	
1	S.H.C. screw 7/16-14 x 1	358-18160	-----	-----	4
	S.H.C. screw 5/8-11 x 1	-----	358-24160	358-24160	4
2	Stem control cap	035-12574	035-13016	035-13016	1
3	Gasket	035-12592	035-12279	035-12279	1
4	"O" ring 70-6227-10	671-00112	-----	-----	1
	"O" ring 70-6227-15	-----	671-00210	671-00210	1
5	S.H.C. screw 5/16-18 x 1 (Nylok)	358-14166	358-14166	358-14166	4
	Clevis assembly with stem(6 thru 10)	S15-00042	S15-00144	S15-00232	1
6	. stem	035-14725	035-14753	035-14753	1
7	. dowel pin 3/8 x 1 3/8	324-22422	-----	-----	2
	. dowel pin 1/2 x 1 1/2	-----	324-23224	324-23224	2
8	. bushing	035-16214	035-16215	035-16215	2
9	. link	035-14726	035-15113	035-15113	1
10	. clevis	035-14728	035-15246	035-15112	1
11	S.H.C. screw 7/16-14 x 1	358-18160	-----	-----	4
	S.H.C. screw 5/8-11 x 1	-----	358-24160	358-24160	4
12	Gasket	035-12592	035-12279	035-12279	1
	Minimum stop assembly (13 thru 17)	S15-00047	S15-00143	S15-00233	1
13	. nut	035-14716	035-14752	035-14752	1
14	. tongue	035-14718	035-14751	035-14751	1
15	. "O" ring 70-6227-15	671-00210	-----	-----	1
	. "O" ring 70-6227-19	-----	671-00214	671-00214	1
16	. stop	035-14721	035-14749	035-14750	1
17	. stop body	035-14724	035-14748	035-14748	1

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Replaces

Revision

PXP

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