

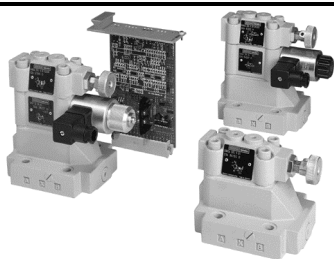
5. Pressure Control Valves

Series	Function	Model	Size	Max. Flow (GPM)	Max. Pressure (PSI)	Mounting					Page
						Subplate mounted	Threaded Body	Cartridge	SAE flange mounted	Panel mounted	
R1E02	Remote Control	R1E02	1/4"	1	5000	●		●		●	5 - 3
R4 Series	Relief	R4V03	3/8"	24	5000	●	●	●			5 - 4
		R4V06	3/4"	79	5000	●	●	●			
		R4V10	1 1/4"	159	5000	●	●	●			
	Unload	R4U03	3/8"	24	5000	●	●	●			
		R4U06	3/4"	79	5000	●	●	●			
		R4U10	1 1/4"	159	5000	●	●	●			
	Reducing	R4R03	3/8"	24	5000	●	●	●			
		R4R06	3/4"	79	5000	●	●	●			
		R4R10	1 1/4"	159	5000	●	●	●			
	Sequence	R4S03	3/8"	24	5000	●	●	●			
		R4S06	3/4"	79	5000	●	●	●			
		R4S10	1 1/4"	159	5000	●	●	●			
R5 Series 3 ports	Relief	R5V06	3/4"	24	5000				●		5 - 6
		R5V08	1"	79	5000				●		
		R5V10	1 1/4"	159	4500				●		
		R5V12	1 1/2"	159	3000 / 6000				●		
	Unload	R5U06	3/4"	24	5000				●		
		R5U08	1"	79	5000				●		
		R5U10	1 1/4"	159	4500				●		
		R5U12	1 1/2"	159	3000 / 6000				●		
	Sequence	R5S06	3/4"	24	5000				●		
		R5S08	1"	79	5000				●		
		R5S10	1 1/4"	159	4500				●		
	Compensator ¹	R5P06	3/4"	24	5000				●		
		R5P08	1"	79	5000				●		
		R5P10	1 1/4"	159	4500				●		
R5 Series 2 ports ²	Relief Sequence Reducing Compensator	R5V** R5S** R5R** R5A**	3/4" : 1 1/4"	24 : 159	5000				●		Denison

¹ R5P 3-port compensator : to be used with F5C. Refer to proportional flow-control valve (section 10.).

² R5A 2-port compensator : to be used with F5C. Refer to proportional flow-control valve (section 10.).
Other 2-port versions : consult Denison Hydraulics for details.

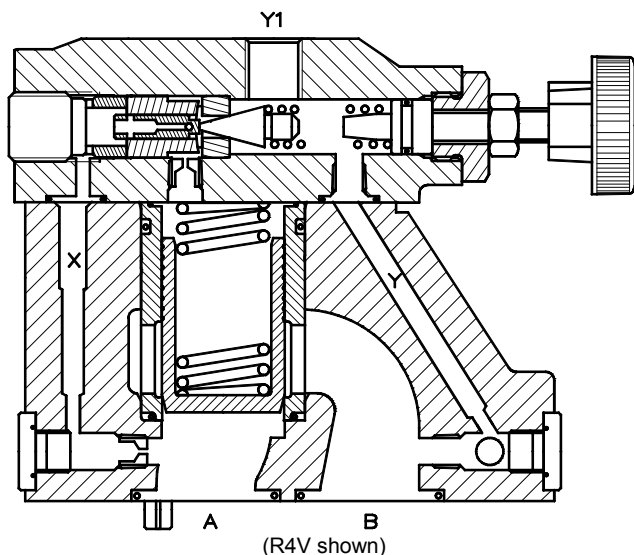
Model	Size	Max. Pressure (PSI)	Weight (lbs)	Maximum flow (GPM)	Page
R1E02				0.0 0.2 0.4 0.6 0.8 1.0 1.2 1.4	5 - 3
R1E02	1/4"	5000	4.6	1.0	
R4 Series				0 25 50 75 100 125 150 175	5 - 4
R4♦03	3/8"	5000	6.0	23.8	
R4♦06	3/4"	5000	9.9	79.3	
R4♦10	1 1/4"	5000	13.2	158.5	
R5 Series - 3 ports				0 25 50 75 100 125 150 175	5 - 6
R5♦06	3/4"	5000	7.9	23.8	
R5♦08	1"	5000	10.1	79.3	
R5♦10	1 1/4"	4500	11.5	158.5	
R5♦12	1 1/2"	3000 6000	17.6	158.5	



(R4R shown)

R4 Series

24 - 79 - 159 GPM - 5000 PSI



Key Sheet Example : **R4V06-533-10-09-GOR-A1**

1. **R4V06-533-10-09-GOR-A1-***** Series

	Size		
	3/8"	3/4"	1 1/4"
Relief	R4V03	R4V06	R4V10
Unload	R4U03	R4U06	R4U10
Reducing	R4R03	R4R06	R4R10
Sequence	R4S03 ¹⁾	R4S06	R4S10

¹⁾ Fast response : R4S03A.

2. **R4V06-533-10-09-GOR-A1-***** Body type

Subplate, Threaded body	5
Cartridge	0

3. **R4V06-533-10-09-GOR-A1-***** Body mounting

X1 ¹⁾ + Y1 ports	None ²⁾	G 1/4"	SAE - 4
Subplate version	3	9	7
Cartridge version	0	G	E
Threaded body	Denison Hydraulics		

¹⁾ R4R only.

²⁾ R4V, R4U. Drain line code "0"

4. **R4V06-533-10-09-GOR-A1-***** Setting Range

100 - 1500 PSI	1
100 - 3000 PSI	3
100 - 5000 PSI	5

5. **R4V06-533-10-09-GOR-A1-***** Control

Knob Ø 1.26"	1
Acorn	3

6. **R4V06-533-10-09-GOR-A1-***** Drain lines

	R4V	R4U	R4R	R4S
Internal ¹⁾	0	0	-	-
External, in subplate (Y)	1	1	1	1
External, in pilot head (Y1) ²⁾	2	2	2	2

¹⁾ not for cartridges

²⁾ not for body mounting code "0" or "3".

7. **R4V06-533-10-09-GOR-A1-***** Electrical venting

	R4V	R4U	R4R	R4S
Normally opened (VV01)	09			
Normally closed (VV01)	11			
Proportional (VP01)	P2	-	P2	-
No venting	Omit			

8. **R4V06-533-10-09-GOR-A1-***** Voltage

	DC		AC		
	12 V	GOR	115 V	60 Hz	W01
Electrical venting (option 09 - 11)	24 V	GOQ	230 V	50 Hz	W06
				60 Hz	W02
Proportional (option P2) ¹⁾	12 V	GOR	-		
R4V & R4R only					
No venting	Omit				

9. **R4V06-533-10-09-GOR-A1-***** Design

10. **R4V06-533-10-09-GOR-A1-***** Seal Class

Buna N : Mineral oil	1
Others	Denison Hydraulics

11. **R4V06-533-10-09-GOR-A1-***** Options

None	Omit
Soft Shift VV01..... 120 ms	031
Others	Denison Hydraulics

DIN Connector.....for 09-11-P2 options	
Type	Code
Standard (<250 V)	167-01007-8
Red LED (15-30 VDC)	167-01100-8
With Rectifier (<250 V)	167-01076-8

Proportional Amplifier ¹for P2 option - VP01, 12VDC		
Type	Code	Remarks
EC01 AO1 : 12VDC amplifier ¹	701-00600-8	VP01 B-design only
Power supply	701-00023-8	115/230 VAC → 24 VDC (EC01 input)
Card holder	701-00066-8	

¹ 12 VDC is recommended for best performance. 24 VDC version : contact Denison Hydraulics.

	R4♦03	R4♦06	R4♦10
A	2.50	3.66	4.51
E	3.44	4.13	4.72
F	1.69	2.37	3.32
G	2.63	3.13	3.81
ØH	0.41	0.41	0.41
ØI	0.65	0.65	0.65
No venting			
B	2.46	3.43	3.85
C	3.33	4.23	4.65
D	5.55	5.55	5.55
Electrical venting (VV01)			
B	4.31	5.28	5.70
C	5.18	6.08	6.50
D	6.30	6.30	6.30
J	4.47	4.82	5.12
Proportional P2 (VP01)			
	R4V03 R4R03	R4V06 R4R06	R4V10 R4R10
B	4.31	5.28	5.70
C	5.18	6.08	6.50
D	6.89	6.89	6.89
J	4.47	4.82	5.12

References

Symbol	Code	Code	Symbol
	Relief : R4V♦♦-535-10 -A1	Sequence : R4S♦♦-575-11 -A1	
	Unload : R4U♦♦-535-10 -A1	Reducing (inlet in B, outlet in A): R4R♦♦-575-11 -A1	
Electrical venting - Normally closed (electric signal = venting)		Electrical venting - Normally vented (electric signal = close)	
Symbol	Code	Code	Symbol
	Relief : R4V03-53♦-10-11-G♦♦-A1 R4V06-53♦-10-11-G♦♦-A1 R4V10-53♦-10-11-G♦♦-A1	Relief : R4V03-53♦-10-09-G♦♦-A1 R4V06-53♦-10-09-G♦♦-A1 R4V10-53♦-10-09-G♦♦-A1	
	Unload : R4U03-53♦-10-11-G♦♦-A1 R4U06-53♦-10-11-G♦♦-A1 R4U10-53♦-10-11-G♦♦-A1	Unload : R4U03-53♦-10-09-G♦♦-A1 R4U06-53♦-10-09-G♦♦-A1 R4U10-53♦-10-09-G♦♦-A1	
	Sequence : R4S03-57♦-11-11-G♦♦-A1 R4S06-57♦-11-11-G♦♦-A1 R4S10-57♦-11-11-G♦♦-A1	Sequence : R4S03-57♦-11-09-G♦♦-A1 R4S06-57♦-11-09-G♦♦-A1 R4S10-57♦-11-09-G♦♦-A1	
	Reducing : R4R03-57♦-11-11-G♦♦-A1 R4R06-57♦-11-11-G♦♦-A1 R4R10-57♦-11-11-G♦♦-A1	Reducing (inlet in B, outlet in A): R4R03-57♦-11-09-G♦♦-A1 R4R06-57♦-11-09-G♦♦-A1 R4R10-57♦-11-09-G♦♦-A1	