



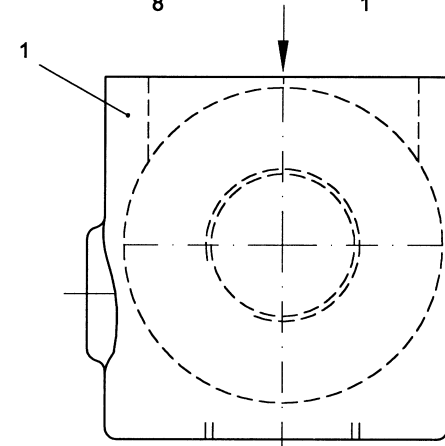
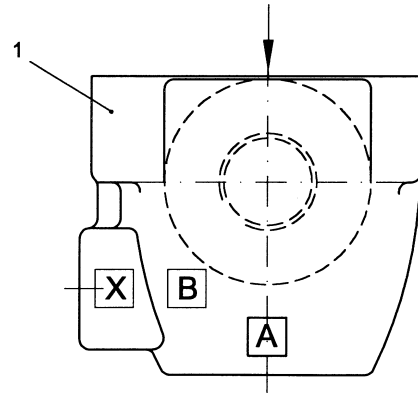
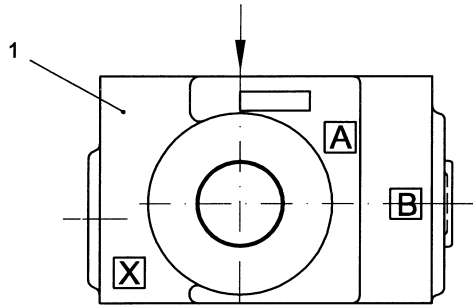
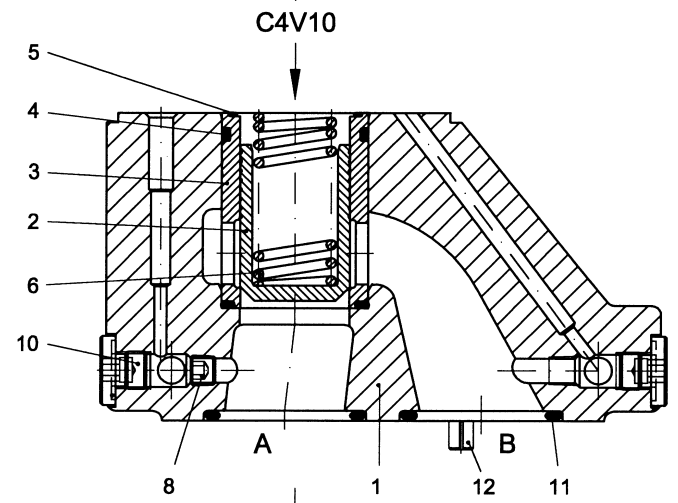
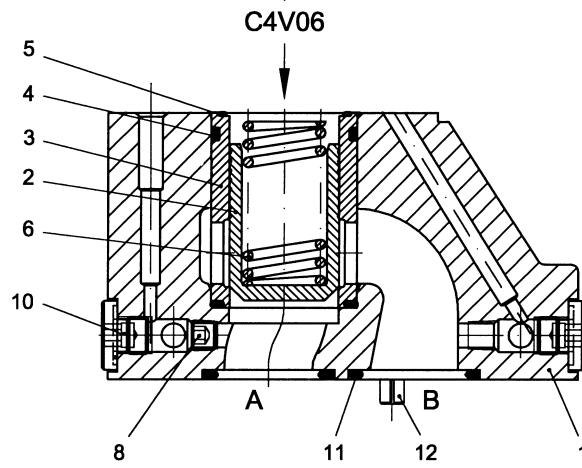
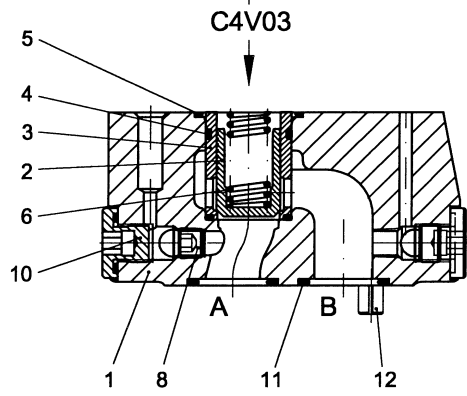
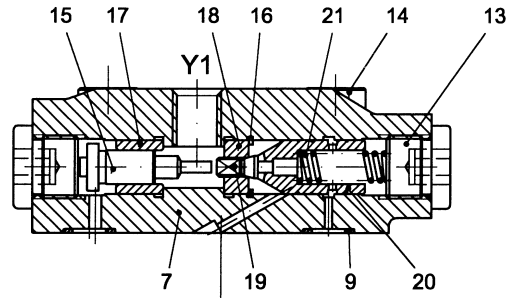
# DENISON HYDRAULICS Pilot Operated Check Valves

Series C4V



Publ. S6-ML 4600-A, replaces S6-ML 460-B

**DENISON** Hydraulics



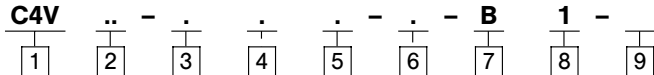
Item Pos. Réf.	<i>English</i>	<i>Deutsch</i>	<i>Français</i>	<i>Italiano</i>	<i>Español</i>	Part No. Teil - Nr. Code No. Cod. No. Código	Qty. Stck. Qté. Qtà. Ctd.		
							<b>C4V</b>		
							03	06	10
1	<b>Body C4V03</b>	<b>Gehäuse C4V03</b>	<b>Corps C4V03</b>	<b>Corpo C4V03</b>	<b>Cuerpo C4V03</b>				
	Subplate type	Plattenaufbau	Type à embase	Versione a piastra di base	Tipo Placa Base	036-38563-0	1	-	-
	Threaded type SAE-8	Leitungseinbau SAE-8	Taradé SAE-8	per fissaggio in linea SAE-8	Tipo Roscado SAE-8	036-86337-0	1	-	-
	Threaded type G1/2"	Leitungseinbau G1/2"	Taradé G1/2"	per fissaggio in linea G1/2"	Tipo Roscado G1/2"	036-38632-0	1	-	-
	<b>Body C4V06</b>	<b>Gehäuse C4V06</b>	<b>Corps C4V06</b>	<b>Corpo C4V06</b>	<b>Cuerpo C4V06</b>				
	Subplate type	Plattenaufbau	Type à embase	Versione a piastra di base	Tipo Placa Base	036-38907-0	-	1	-
	Threaded type SAE-16	Leitungseinbau SAE-16	Taradé SAE-16	per fissaggio in linea SAE-16	Tipo Roscado SAE-16	036-86341-0	-	1	-
	T-Design	T-Ausführung	T-Construction	Tipo T	Diseño T				
	Threaded type G1"	Leitungseinbau G1"	Taradé G1"	per fissaggio in linea G1"	Tipo Roscado G1"	036-39845-0	-	1	-
	T-Design	T-Ausführung	T-Construction	Tipo T	Diseño T				
	Threaded type SAE-12	Leitungseinbau SAE-12	Taradé SAE-12	per fissaggio in linea SAE-12	Tipo Roscado SAE-12	036-86338-0	-	1	-
	L-Design	L-Ausführung	L-Construction	Tipo L	Diseño L				
	Threaded type G3/4"	Leitungseinbau G3/4"	Taradé G3/4"	per fissaggio in linea G3/4"	Tipo Roscado G3/4"	036-39926-0	-	1	-
	L-Design	L-Ausführung	L-Construction	Tipo L	Diseño L				
	<b>Body C4V10</b>	<b>Gehäuse C4V10</b>	<b>Corps C4V10</b>	<b>Corpo C4V10</b>	<b>Cuerpo C4V10</b>				
Subplate type	Plattenaufbau	Type à embase	Versione a piastra di base	Tipo Placa Base	036-39889-0	-	-	1	
Threaded type SAE-20	Leitungseinbau SAE-20	Taradé SAE-20	per fissaggio in linea SAE-20	Tipo Roscado SAE-20	036-86340-0	-	-	1	
L-Design	L-Ausführung	L-Construction	Tipo L	Diseño L					
Threaded type G1.1/4"	Leitungseinbau G1.1/4"	Taradé G1.1/4"	per fissaggio in linea G1.1/4"	Tipo Roscado G1.1/4"	036-39950-0	-	-	1	
L-Design	L-Ausführung	L-Construction	Tipo L	Diseño L					
2	Spool	Kolben	Clapet	Pistone	Pistón	036-38443-0	1	-	-
						036-33278-0	-	1	1
3	Sleeve	Hülse	Chemise	Camicia	Camisa	036-38465-0	1	-	-
						036-33279-0	-	1	1
4	O-Ring NBR (S1)	Runddichtring NBR (S1)	Joint torique NBR (S1)	O-Ring NBR (S1)	Tórica NBR (S1)	691-00018-0	2	-	-
						691-00125-0	-	2	2
	O-Ring EPDM (S4)	Runddichtring EPDM (S4)	Joint torique EPDM (S4)	O-Ring EPDM (S4)	Tórica EPDM (S4)	694-00018-0	2	-	-
						694-00125-0	-	2	2
	O-Ring FPM (S5)	Runddichtring FPM (S5)	Joint torique FPM (S5)	O-Ring FPM (S5)	Tórica FPM (S5)	695-00018-0	2	-	-
						695-00125-0	-	2	2
5	O-Ring NBR (S1)	Runddichtring NBR (S1)	Joint torique NBR (S1)	O-Ring NBR (S1)	Tórica NBR (S1)	691-00022-0	1	-	-
						691-00026-0	-	1	1
	O-Ring EPDM (S4)	Runddichtring EPDM (S4)	Joint torique EPDM (S4)	O-Ring EPDM (S4)	Tórica EPDM (S4)	694-00022-0	1	-	-
						694-00026-0	-	1	1
	O-Ring FPM (S5)	Runddichtring FPM (S5)	Joint torique FPM (S5)	O-Ring FPM (S5)	Tórica FPM (S5)	695-00022-0	1	-	-
695-00026-0						-	1	1	

Item Pos. Réf.	English	Deutsch	Français	Italiano	Español	Part No. Teil - Nr. Code No. Cod. No. Código	Qty. Stck. Qté. Qtà. Ctd.		
							C4V		
							03	06	10
6	Spring 1.0 bar	Feder 1,0 bar	Ressort 1,0 bar	Molla 1,0 bar	Muelle 1,0 bar	036-38446-0	1	-	-
	Spring 4.0 bar	Feder 4,0 bar	Ressort 4,0 bars	Molla 4,0 bar	Muelle 4,0 bar	036-38448-0	1	-	-
	Spring 2.0 bar	Feder 2,0 bar	Ressort 2,0 bars	Molla 2,0 bar	Muelle 2,0 bar	036-38450-0	1	-	-
	Spring 3.5 bar	Feder 3,5 bar	Ressort 3,5 bars	Molla 3,5 bar	Muelle 3,5 bar	036-27547-0	-	1	1
	Spring 1.0 bar	Feder 1,0 bar	Ressort 1,0 bar	Molla 1,0 bar	Muelle 1,0 bar	036-32023-0	-	1	1
	Spring 2.2 bar	Feder 2,2 bar	Ressort 2,2 bars	Molla 2,2 bar	Muelle 2,2 bar	036-33025-0	-	1	1
7	Body with Y1-port G1/4"	Gehäuse mit Y1-Anschluss G1/4"	Corps avec orifice Y1 - G1/4"	Corpo con connessione Y1 - G1/4"	Cuerpo con Boca Y1 - G1/4"	036-81221-0	1		
	Body with Y1-port SAE-4	Gehäuse mit Y1-Anschluss SAE-4	Corps avec orifice Y1 - SAE-4	Corpo con connessione Y1 - SAE-4	Cuerpo con Boca Y1 - SAE-4	036-81220-0	1		
8	Plug 1/16" NPTF	Stopfen 1/16" NPTF	Bouchon 1/16" NPTF	Tappo 1/16" NPTF	Tapón 1/16" NPTF	431-90104-0	1		
9	O-Ring NBR (S1)	Runddichtring NBR (S1)	Joint torique NBR (S1)	O-Ring NBR (S1)	Tórica NBR (S1)	691-00013-0	2, 4		
	O-Ring EPDM (S4)	Runddichtring EPDM (S4)	Joint torique EPDM (S4)	O-Ring EPDM (S4)	Tórica EPDM (S4)	694-00013-0	2, 4		
	O-Ring FPM (S5)	Runddichtring FPM (S5)	Joint torique FPM (S5)	O-Ring FPM (S5)	Tórica FPM (S5)	695-00013-0	2, 4		
10	Plug G1/8"	Stopfen G1/8"	Bouchon G1/8"	Tappo G1/8"	Tapón G1/8"	036-84730-0	2		
	O-Ring NBR (S1)	Runddichtring NBR (S1)	Joint torique NBR (S1)	O-Ring NBR (S1)	Tórica NBR (S1)	691-00014-0	2		
	O-Ring EPDM (S4)	Runddichtring EPDM (S4)	Joint torique EPDM (S4)	O-Ring EPDM (S4)	Tórica EPDM (S4)	694-00014-0	2		
	O-Ring FPM (S5)	Runddichtring FPM (S5)	Joint torique FPM (S5)	O-Ring FPM (S5)	Tórica FPM (S5)	695-00014-0	2		
11	O-Ring NBR (S1)	Runddichtring NBR (S1)	Joint torique NBR (S1)	O-Ring NBR (S1)	Tórica NBR (S1)	691-00116-0	2	-	-
						691-00216-0	-	2	-
						691-00221-0	-	-	2
	O-Ring EPDM (S4)	Runddichtring EPDM (S4)	Joint torique EPDM (S4)	O-Ring EPDM (S4)	Tórica EPDM (S4)	694-00116-0	2	-	-
						694-00216-0	-	2	-
						694-00221-0	-	-	2
	O-Ring FPM (S5)	Runddichtring FPM (S5)	Joint torique FPM (S5)	O-Ring FPM (S5)	Tórica FPM (S5)	695-00116-0	2	-	-
						695-00216-0	-	2	-
695-00221-0						-	-	2	
12	Roll pin	Spannstift	Pied de positionnement	Spina elastica	Espiga elástica	325-16100-0	1		
13	Plug G3/8"	Stopfen G3/8"	Bouchon G3/8"	Tappo G3/8"	Tapón G3/8"	036-84854-0	2		
	O-Ring NBR (S1)	Runddichtring NBR (S1)	Joint torique NBR (S1)	O-Ring NBR (S1)	Tórica NBR (S1)	691-00018-0	2		
	O-Ring EPDM (S4)	Runddichtring EPDM (S4)	Joint torique EPDM (S4)	O-Ring EPDM (S4)	Tórica EPDM (S4)	694-00018-0	2		
	O-Ring FPM (S5)	Runddichtring FPM (S5)	Joint torique FPM (S5)	O-Ring FPM (S5)	Tórica FPM (S5)	695-00018-0	2		
14	Screw 3/8"-24UNF x 1.3/4"lg.	Schraube	Vis	Vite	Tornillo Allen	359-15220-0	4		
15	Control piston 1:1	Steuerkolben 1:1	Piston de contrôle 1:1	Pistone pilotaggio 1:1	Pistón de Control 1:1	036-81080-0	1		
	Control piston 3:1	Steuerkolben 3:1	Piston de contrôle 3:1	Pistone pilotaggio 3:1	Pistón de Control 3:1	036-81078-0	1		
	Control piston 8:1, 10:1	Steuerkolben 8:1, 10:1	Piston de contrôle 8:1, 10:1	Pistone pilotaggio 8:1, 10:1	Pistón de Control 8:1, 10:1	036-81079-0	1		
16	Retaining ring	Sicherungsring	Circlips	Anello elastico	Circlip	356-00005-8	1		

Item Pos. Réf.	<i>English</i>	<i>Deutsch</i>	<i>Français</i>	<i>Italiano</i>	<i>Español</i>	Part No. Teil - Nr. Code No. Cod. No. Código	Qty. Stck. Qté. Qtà. Ctd.		
							C4V		
							03	06	10
17	Bushing 1:1	Buchse 1:1	Entretoise 1:1	Camicia 1:1	Camisa 1:1	036-81082-0	1		
	Bushing 3:1	Buchse 3:1	Entretoise 3:1	Camicia 3:1	Camisa 3:1	036-81081-0	1		
	at 8:1, 10:1 without bushing	bei 8:1, 10:1 ohne Buchse	pour 8:1, 10:1 sans entretoise	per 8:1, 10:1 senza camicia	para 8:1, 10:1 sin camisa	-	-		
18	Seat 1:1, 3:1, 8:1	Sitz 1:1, 3:1, 8:1	Siège 1:1, 3:1, 8:1	Sede 1:1, 3:1, 8:1	Asiento 1:1, 3:1, 8:1	036-11692-0	1		
	Seat 10:1	Sitz 10:1	Siège 10:1	Sede 10:1	Asiento 10:1	036-81097-0	1		
19	Cone 1:1, 3:1, 8:1	Kegel 1:1, 3:1, 8:1	Cône 1:1, 3:1, 8:1	Cono 1:1, 3:1, 8:1	Cono 1:1, 3:1, 8:1	036-33274-0	1		
	Cone 10:1	Kegel 10:1	Cône 10:1	Cono 10:1	Cono 10:1	036-81096-0	1		
20	Piston	Kolben	Piston	Pistone	Pistón	036-81227-0	1		
21	Spring	Feder	Ressort	Molla	Muelle	036-81255-0	1		
	<b>Seal Kits</b>	<b>Dichtringsätze</b>	<b>Pochettes de joints</b>	<b>Serie guarnizioni</b>	<b>Juegos de Juntas</b>				
	Seals (NBR-S1)	Dichtringe (NBR-S1)	Joints (NBR-S1)	Guarnizioni (NBR-S1)	Juntas (NBR-S1)	S26-58507-0	1	-	-
						S26-58475-0	-	1	-
						S26-58508-0	-	-	1
	Seals (EPDM-S4)	Dichtringe (EPDM-S4)	Joints (EPDM-S4)	Guarnizioni (EPDM-S4)	Juntas (EPDM-S4)	S26-58507-4	1	-	-
						S26-58475-4	-	1	-
						S26-58508-4	-	-	1
	Seals (FPM-S5)	Dichtringe (FPM-S5)	Joints (FPM-S5)	Guarnizioni (FPM-S5)		S26-58507-5	1	-	-
						S26-58475-5	-	1	-
						S26-58508-5	-	-	1
	<b>Not shown:</b>	<b>Nicht dargestellt:</b>	<b>Non représenté:</b>	<b>Non rappresentato:</b>	<b>No representado:</b>				
	Name plate	Typenschild	Plaque d'identification	Targhetta di identificazione	Placa Nomenclatura	036-84772-0	1		
	Rivet	Kerbnagel	Rivet	Rivetto	Remache	320-10203-0	2		
	<b>Version with end position control:</b> For safety reasons the end position control is factory set. The adjustment must not be changed. Should at be nessessary to exchange these parts the complete valve must be returned to the supplier.	<b>Ausführung mit Endlagenkontrolle:</b> Die Endlagenkontrolle wird aus Sicherheitsgründen werksseitig eingestellt. Es darf keine Veränderung der Einstellung vorgenommen werden. Sollte ein Austausch der Bauteile erforderlich werden, so ist das komplette Ventil einzuschicken.	<b>Version avec contrôle de position extrême:</b> Pour des raisons de sécurité, le contrôle de position extrême est réglé par le constructeur. Ce réglage ne doit pas être modifié. Au cas où il serait nécessaire de remplacer ces pièces, la valve complete doit être retournée au fournisseur.	<b>Versione con controllo elettronico della posizione finale:</b> Per ragioni di sicurezza, il controllo elettronico di posizione è tarato dalla fabbrica e la regolazione non deve essere modificata. Qualora sia necessaria, la sostituzione di questo gruppo deve essere eseguita dallo stabilimento.	<b>Versiones con detector de posición final:</b> Por razones de seguridad, el detector de posición se ajusta en factoría y dicho ajuste no debe ser modificado. En caso de ser necesaria su sustitución, debe retomarse la válvula completa al suministrador.				

# MODEL CODE

Model Number:



**1 Series** \_\_\_\_\_  
 C4V = Check Valve, pilot operated

**2 Size** \_\_\_\_\_  
 03 = 3/8"  
 06 = 3/4"  
 10 = 1 1/2"

**3 Max. Pressure** \_\_\_\_\_  
 0 = for cartridges only } 350 bar  
 5 = for body valves only }

**4 Body Mounting** \_\_\_\_\_  
 Cartridge with pilot valve:  
 E = Y1 port = SAE-4 (7/16"-20 UNF) } not for C4V10  
 G = Y1 port = G 1/4" }  
 Subplate mounting:  
 7 = Y1 port = SAE-4 (7/16"-20 UNF)  
 9 = Y1 port = G 1/4"  
 Threaded body:  
 6 = C4V03 = G 1/2" T-body }  
 = C4V06 = G 1" T-body } X, Y1 ports = G 1/4"  
 D = C4V06 = G 3/4" L-body }  
 = C4V10 = G 1 1/4" L-body }  
 4 = C4V03 = SAE-8 T-body }  
 = C4V06 = SAE-16 T-body } X, Y1 ports = SAE-4 (7/16"-20 UNF)  
 B = C4V06 = SAE-12 L-body }  
 = C4V10 = SAE-20 L-body }

**5 Opening Ratio** (pB/pX) \_\_\_\_\_  
 1 = 1:1  
 3 = 3:1  
 8 = 8:1  
 9 = 10:1  
 E = 1:1 }  
 F = 3:1 } and end position control incl. amplifier (for C4V06/10 only)  
 G = 8:1 }  
 H = 10:1 }

**6 Cracking Pressure** (average value) \_\_\_\_\_  

Flow A → B		Flow B → A	
C4V03	C4V06/10	C4V03	C4V06/10
2 = 1.0 bar	1.0 bar	1.5 bar	1.7 bar
4 = 4.0 bar	3.5 bar	5.5 bar	6.0 bar
6 = 2.0 bar	2.2 bar	3.0 bar	3.8 bar

**7 Design Letter** \_\_\_\_\_

**8 Seal Class** \_\_\_\_\_  
 1 = NBR-seals (Standard)  
 4 = EPDM-seals  
 5 = FPM-seals (Viton®)

**9 Modifications** \_\_\_\_\_  
 0013 = Cover for end position control

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 Con riserva di modifica. Modificaciones posibles dentro de interés de una mejora.

