General Description

Series D4S seat valves are designed for directional control functions. A large variety of poppets, springs and covers – including shuttle valves, stroke limiters, solenoid valves (VV01) and position control – allow to design individual hydraulic solutions for nominal flow up to 600 LPM (158.7 GPM).

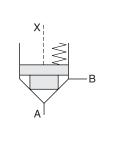
A complete program is offered under the Parker brand: subplate mounted valves (D4S), SAE flange valves (D5S), pipe mounted valves (D4S), slip-in cartridges (CAR - on request).

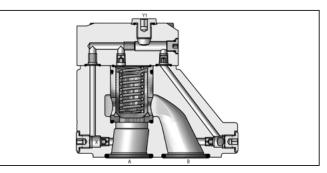
Features

- Subplate mounting acc. to ISO 5781.
- Leak-free seat valve design.
- Numerous pilot options.
- 6 poppet types.
- 3 sizes (NG10, 25, 32).

Selection of Cartridges



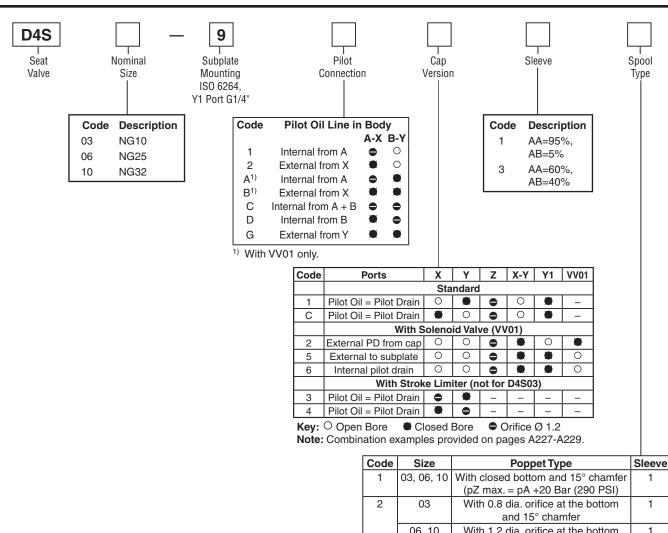




	-				
Sleeve 1,Poppet 1	Sleeve 1, Poppet 2	Sleeve 1, Poppet 4	Sleeve 3, Poppet 4	Sleeve 3, Poppet A	Sleeve 3, Poppet B/C
Z	Z Z		Z	Z	Z
B	B	B	B	B	B
Α	A	A	А	А	A
1 : 1.05	1:1.05 1:1.05		1 : 1.67	1 : 1.67	1 : 1.67
$A_{A} = 0.95 A_{C}$	$A_{A} = 0.95 A_{C}$ $A_{A} = 0.95 A_{C}$ $A_{A} = 0.9$		$A_{A} = 0.6 A_{C}$	$A_{A} = 0.6 A_{C}$	$A_{A} = 0.6 A_{C}$
$A_{\rm B} = 0.05 A_{\rm C}$	$A_{B} = 0.05 A_{C}$ $A_{B} = 0.05 A_{C}$ $A_{B} = 0.05 A_{C}$		$A_{\rm B} = 0.4 A_{\rm C}$	$A_{\rm B} = 0.4 A_{\rm C}$	$A_{B} = 0.4 A_{C}$
15° chamfer	15° chamfer 15° chamfer 45° chamfer		45° chamfer	45° chamfer	45° chamfer
	orifice			safety spool	throttle spool

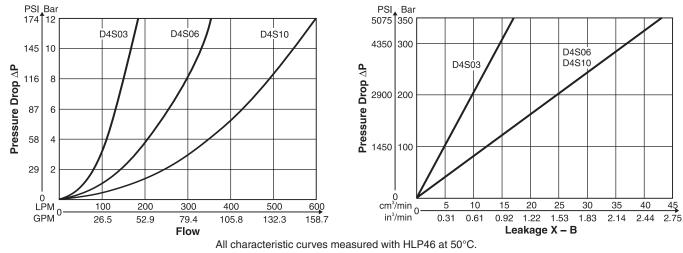
WARNING: This product can expose you to chemicals including Lead, Nickel (Metallic), or 1,3-Butadiene which are known to the State of California to cause cancer, and Lead or 1,3-Butadiene which is known to the State of California to cause birth defects and other reproductive harm. For more information go to www.P65Warnings.ca.gov.





06, 10 With 1.2 dia. orifice at the bottom 1 and 15° chamfer With closed bottom and 45° chamfer 03, 06, 10 1, 3 4 A* 06, 10 Safety spool З (for end position control only) Throttle spool, 10° chamfer B* 06, 10 3 06, 10 Throttle spool, 3° chamfer 3 C*

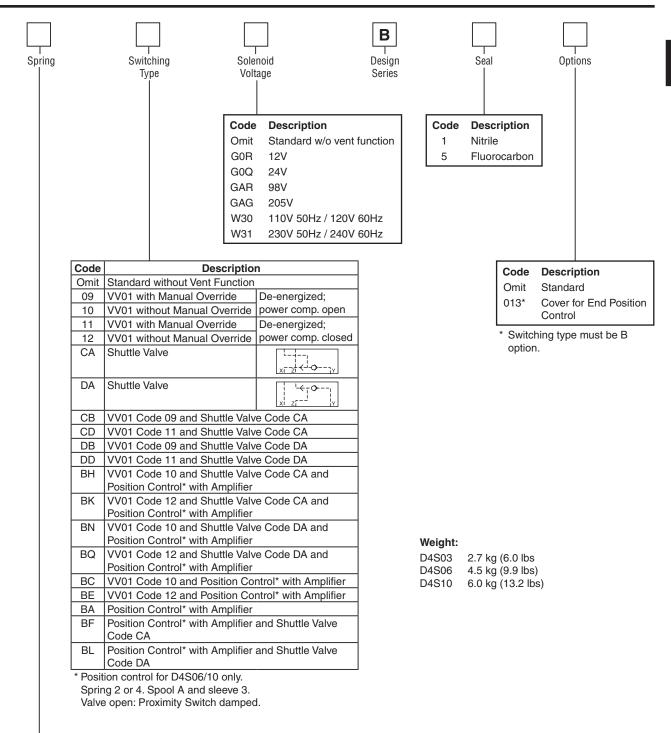
Springs 2, 3 and 6 only.



Performance Curves



45



			Sp	ring — A	Appro	x. Cracki	ng Pre	essure i	n Bar ((PSI)		
Code		Sleeve Code 1						Sleeve	Code	3		
Code		A -	> B			A -:	> B			B -:	> A	
	D	D4S03 D4S06/10			D4	4S03	D4S	06/10	D4	S03	D4S	06/10
1	2.8	(40.6)	3.5	(50.8)	6.5	(94.3)	6.5	(94.3)	9.5	(137.8)	11.0	(159.5)
2	0.5	(7.3)	0.5	(7.3)	1.0	(14.5)	1.0	(14.5)	1.5	(21.8)	1.7	(24.7)
3	0.3	(4.4)	0.3	(4.4)	0.6	(8.7)	0.6	(8.7)	0.9	(13.1)	1.0	(14.5)
4	2.2	(31.9)	2.2	(31.9)	4.0	(58.0)	3.5	(50.8)	5.5	(79.8)	6.0	(87.0)
5		-	9.0	(130.5)		-	16.0	(232.0)		-	28.0	(406.0)
6	1.2	(17.4)	1.2	(17.4)	2.0	(29.0)	2.2	(31.9)	3.0	(43.5)	3.8	(55.1)
7	3.0	(43.5)		-	8.0	(116.0)		-	12.0	(174.0)		-



Specifications

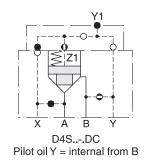
General										
Size	0	3	()6	· ·	10				
Mounting	Subplate acc	ording to ISO	6264		·					
Mounting Position	Unrestricted				·					
Ambient Temperature Range	mbient Temperature Range -20°C to +50°C (-4°F to +122°F)									
MTTFD										
Hydraulic										
Maximum Operating Ports A, B Pressure		50 Bar 5 PSI)		350 Bar 5 PSI)		350 Bar 5 PSI)				
Port Y with VV01		140 Bar140 Bar140 Bar(2030 PSI)(2030 PSI)(2030 PSI)								
Nominal Flow		180 LPM360 LPM600 LPM(47.6 GPM)(95.2 GPM)(158.7 GPM)								
Fluid	Hydraulic oil as per DIN 51524 51525									
Fluid Temperature	-20°C to +80°C (-4°F to +176°F)									
Viscosity Permitted Recommended			o 3013 SSU)							
Filtration	ISO Class 44	06 (1999) 18/	16/13 (acc. N	AS 1638: 7)	·					
Electrical (Solenoid)										
Duty Ratio	100%									
Response Time	Energized / D	e-energized	AC 20/18 ms,	DC 46/27 ms	6					
Protection Class	IP65 in accor	dance with El	V60529 (plug	ged and mou	nted)					
Code	G0R	G0Q	GAR	GAG	W30	W31				
Supply Voltage	12V	24V	98V	205V	110V at 50Hz/ 120V at 60 Hz	220V at 50Hz/ 240V at 60Hz				
Tolerance Supply Voltage	+5 to -10	+5 to -10	+5 to -10	+5 to -10	+5 to -10	+5 to -10				
Power Consumption, Hold [W]	31	31	31	31	78	78				
Power Consumption, In Rush [W]	31	31	31	31	264	264				
Max. Switching Frequency [1/h]	AC up to 720	0; DC up to 1	6,000 switchir	igs/hour						
Solenoid Connection	Connector as	per EN1753	01-803							
Protection Class	IP65 in accordance with EN 60529 (plugged and mounted)									
Coil Insulation Class	H (180°C) (3	56°F)								

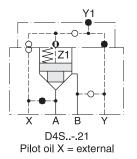
D4S Pilot Configuration

D4S Direct Operated	D4S with VV01
$\begin{array}{c c} & Y1 \\ \hline & X \\ \hline & X \\ \hline & X \\ \hline & AZ \\ \hline & AZ \\ \hline & AZ \\ \hline & AB \\ \hline & B \\ \hline & Y \\ \hline & B \\ \hline & B \\ \hline & AB \\ \hline & B \\ \hline & AB \\ \hline & B \\ \hline & AB \\ \hline & B \\ \hline & B \\ \hline & AB \\ \hline & B \\ \hline & B \\ \hline & AB \\ \hline & B \\ \hline & B \\ \hline & AB \\ \hline & B \\ \hline & B \\ \hline & AB \\ \hline & B \\ \hline & B \\ \hline & AB \\ \hline & B \\ \hline & B \\ \hline & AB \\ \hline & B \\ \hline & B \\ \hline & AB \\ \hline & B \\ \hline & B \\ \hline & AB \\ \hline & B \\ \hline & B \\ \hline & AB \\ \hline & B \\ \hline & B \\ \hline & AB \\ \hline & B \\ \hline & B \\ \hline & AB \\ \hline & B \\ \hline \hline & B \\ \hline \hline & B \\ \hline & B \\ \hline \hline \hline & B \\ \hline \hline \hline & B \\ \hline \hline \hline \hline \hline & B \\ \hline \hline$	$\begin{array}{c c} & Y1 \\ \hline & & Z \\ \hline & & Z \\ \hline & & & Z \\ \hline & & & & Z \\ \hline & & & & & Z \\ \hline & & & & & Z \\ \hline & & & & & & Z \\ \hline & & & & & & Z \\ \hline & & & & & & Z \\ \hline & & & & & & Z \\ \hline & & & & & & Z \\ \hline & & & & & & Z \\ \hline & & & & & & Z \\ \hline & & & & & & Z \\ \hline & & & & & & Z \\ \hline & & & & & & Z \\ \hline & & & & & & Z \\ \hline & & & & & & Z \\ \hline & & & & & & Z \\ \hline & & & & & & Z \\ \hline & & & & & & Z \\ \hline & & & & & & Z \\ \hline & & & & & & Z \\ \hline & & & & & & Z \\ \hline & & & & & & & Z \\ \hline & & & & & & & Z \\ \hline & & & & & & & Z \\ \hline & & & & & & & Z \\ \hline & & & & & & & Z \\ \hline & & & & & & & Z \\ \hline & & & & & & & Z \\ \hline & & & & & & & Z \\ \hline & & & & & & & & Z \\ \hline & & & & & & & & Z \\ \hline & & & & & & & & Z \\ \hline & & & & & & & & Z \\ \hline & & & & & & & & Z \\ \hline & & & & & & & & Z \\ \hline & & & & & & & & Z \\ \hline & & & & & & & & Z \\ \hline & & & & & & & & & Z \\ \hline & & & & & & & & & Z \\ \hline & & & & & & & & & Z \\ \hline & & & & & & & & & Z \\ \hline & & & & & & & & & Z \\ \hline & & & & & & & & & Z \\ \hline & & & & & & & & & Z \\ \hline & & & & & & & & & Z \\ \hline & & & & & & & & & Z \\ \hline & & & & & & & & & & Z \\ \hline & & & & & & & & & & & Z \\ \hline & & & & & & & & & & & Z \\ \hline & & & & & & & & & & & & Z \\ \hline & & & & & & & & & & & & & Z \\ \hline & & & & & & & & & & & & & & & & & Z \\ \hline & & & & & & & & & & & & & & & & & &$

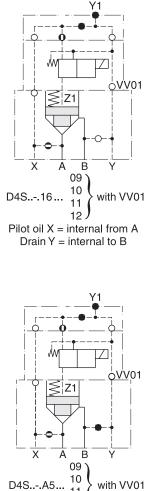


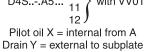
D4S Direct Operated Examples

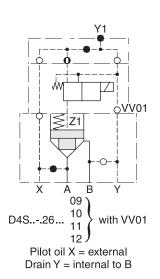


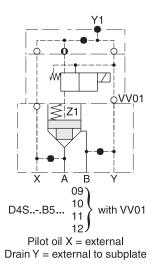


D4S with VV01 Examples

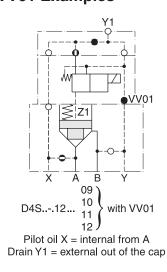




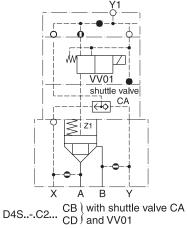


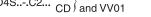


D4S with VV01 Examples

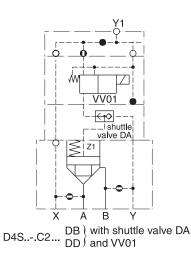


D4S with Shuttle Valve Examples

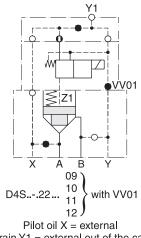




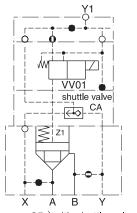
Pilot oil = internal from A and B Drain Y1 = external out of the cap



Pilot oil = internal from A and B (B-A = Check valve function) Drain Y1 = external out of the cap

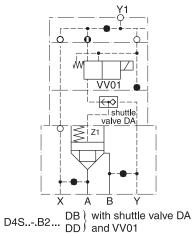


Drain Y1 = external out of the cap



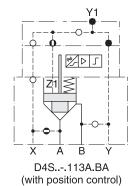
D4S..-.D2... $\begin{array}{c} CB \\ CD \end{array}$ with shuttle value CA CD and VV01

Pilot oil = internal from B and external from X Drain Y1 = external out of the cap

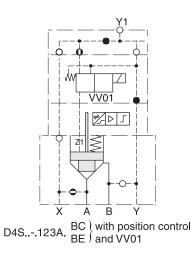


Pilot oil = external from X and Y Drain Y1 = external out of the cap

D4S with Position Control Examples

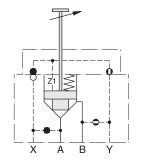


Pilot oil X = internal from A



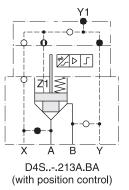
Pilot oil X = internal from A Drain Y1 = external out of the cap

D4S with Stroke Limiter Examples

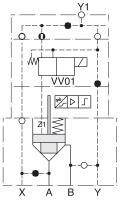


D4S..-.D434. with stroke limiter Pilot oil Y = internal from B

Note: for D4S06 and D4S10 only

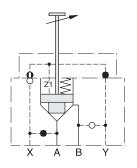


Pilot oil X = external



D4S..-.223A. $\underset{BE}{\text{BC}}$ with position control BE) and VV01

Pilot oil X = external Drain Y1 = external out of the cap



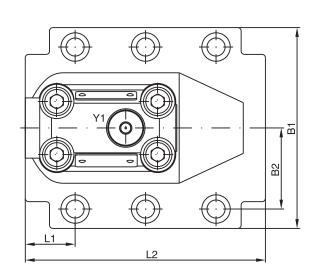
D4S.-.233B. with stroke limiter Pilot oil X = external

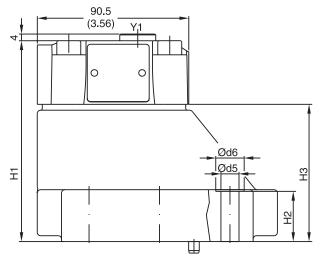
Note: for D4S06 and D4S10 only

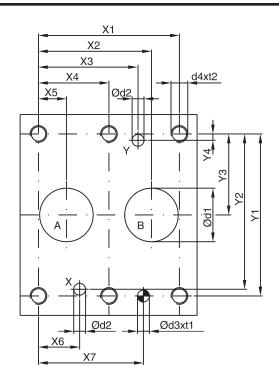


Directional Control Valves Series D4S

Inch equivalents for millimeter dimensions are shown in (**)







 \odot

NG	ISO-code	X1)	(2	Х3	X4		X5	X6		X7		Y1	Y2	Y	3	Y4
10	6264-06-09-*-97	42.9	-	5.8	21.5	_		7.2	21.	-	31.8		6.7	58.8			7.9
	0_0.00000000	(1.69)		.41)	(0.85)		· ·	0.28)	(0.8		1.25)		2.63)	(2.31	· · ·		(0.31)
25	6264-08-13-*-97	60.3 (2.37)		9.2	39.7 (1.56)	-		1.1	20.6 (0.8		44.5 1.75)		79.4 3.13)	73.0 (2.87			6.4 (0.25)
		84.2		7.5	59.5	42.1	· ·	6.7	24.0	/ / `	62.7		96.8	92.8	/ I \		3.8
32	6264-10-17-*-97	(3.31)		.66)	(2.34)	(1.66		.66)	(0.9	-	2.47)		3.81)	(3.65			(0.15)
NG	ISO-code	B1	B2	H1	H2	H3	L1	L2	D1	D2	2	D3	t1	D4	t2	D5	D6
10	6264-06-09-*-97	87.3	33.35	83.0	21.0	45.0	29.0	94.8	15.0	0 7.0	2	7.1	8.0	M10	16.0	10.8	17.0
10	0204-00-0997	(3.44)	(1.31)	(3.27)	· · ·	(1.77)	(1.14)	(3.73)	(0.59	/ / `		0.28)	(0.31)	WITO	(0.63)	(0.43)	(0.67)
25	6264-08-13-*-97	105.0	39.7	109.5		71.5	34.7	126.8	23.4		-	7.1	8.0	M10	18.0	110.8	17.0
		(4.13) 120.0	(1.56) 48.4	(4.31) 120.0	· · ·	(2.81) 82.0	(1.37) 30.6	(4.99)	(0.92	1		0.28) 7.1	(0.31) 8.0		(0.71) 20.0	(0.43)	(0.67)
32	6264-10-17-*-97	(4.72)	(1.91)	(4.72)		(3.23)	(1.20)	(5.68)	(1.20				(0.31)	M10	(0.79)	(0.43)	
		1	(1.01)	()	1 (1.1 1)	(0.20)	1	(0.00)	1 (1.2)	0/1(0.2	.0/1(<u>г</u>	(0.70)	1 (0.10)	(0.07)
NG	ISO-code	Bolt H	Cit	F	T T	ř	6	-] [Sea	al C	⊃ Ki	it		Surfa	ace Fin	ish
	100 0000	Doit		F	<u>ا</u> ال	3	2	/		Nitr	ile	Flu	uorocai	rbon	oun		
10	6264-06-07-*-97	BK 50)5 4x	M10 x	35 DIN	912 12.	9	63 Nm		S26-58	507-	0 S	26-5850	07-5			0.01/100
25	6264-08-11-*-97	BK 48	35 4x	M10 x	45 DIN	912 12.	9 (46	6.5 lbft	t.)	S26-58	475-	0 S	26-5847	75-5	$\sqrt{R_{max}6}$.3	7777
32	6264-10-15-*-97	BK 50	06 6x	M10 x	45 DIN	912 12.	9	±15%		S26-58	508-	0 S	26-5850	08-5	/////	/////	////



Inch equivalents for millimeter dimensions are shown in (**) D4S with VV01 with without manual Y1 manual override override DC = 165.6 (6.52) AC = 153.0 (6.02) 90.5 (3.56 60.0 (2.36) D4S..-.... 09/10 Solenoid energized: 4.0 (0.16) VV01 D4S blocked Y1 Solenoid de-energized: ₫ Flow from A-B or B-A 71 Cap D4S 86.0 (3.39) c 70.0 (2.76) 93.2 (3.67) 47.0 (1.85) Vent valve VV01 with without manual manual Y1 override override body D4S Coil can be positioned: D4S..-.... 11/12 - at 90° intervals (AC) Solenoid energized: VV01 \Box - in any position (DC) Flow from A-B or B-A VV01 Seal Kits Solenoid de-energized: Fluorocarbon D4S Blocked Nitrile Z1 D4S DC Solenoid S26-58515-0 S26-58515-5 AC Solenoid B S26-35237-0 S26-35237-5 **D4S with Shuttle Valve** DC = 165.6 (6.52)cap 90.5 AC = 153.0 (6.02) (3.56)60.0 External drain only out of the cap 4.0 (0.16) (2.36)vent valve VV01 Code CB Ē ₫ or CD ł F ⊒ shuttle valve Cap Ro 133.0 70.0 (pilot oil from A and B) $-\mu$ (2.76)(5.24)Z1 ≥ Г112.0⁻ 140.2 [(4.41)] body version (5.52)series D4S 94.0 Vent valve (3.70)119.2 VV01 (4.69) 73.0 А B (2.87) 4 47.0 càp Coil can be positioned: (1.85)Shuttle 26.0 - at 90° intervals (AC) valve - in any position (DC) (1.02)vent valve VV01 1_ Code DB body D4S or DD দিণ্ shuttle valve 1) Z1 Dimensions in brackets [] are for version VV01with body version series D4S shuttle valve code DB or DD. A Х В Note: Shuttle valves only use in connection with vent valve VV01.

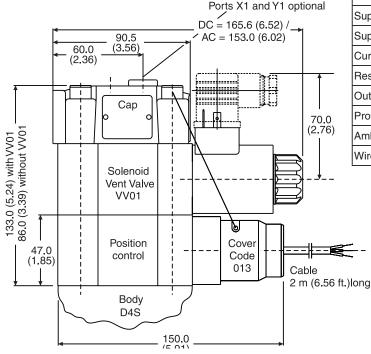
es only use in connection with vent valve VV01.

¹⁾ pilot oil from A and B, from B to A check valve function



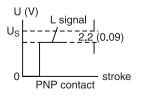
Inch equivalents for millimeter dimensions are shown in $(\ensuremath{^{\star\star}})$

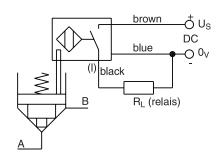
Dimensions D4S Position Control



Technical Information (proximity switch)

Function		PNP, contact
Supply voltage (Us)	[VDC]	1030
Supply voltage ripple	[%]	≤ 10
Current consumption	[mA]	max. 8
Residual voltage L-signal	[V]	Us - 2.2 at I _{max}
Output current (I)	[mA]	≤ 200
Protection class		IP67
Ambient temperature	[C°]	-25+70; (-13°F+158° F)
Wire cross section	[mm ²]	3 x 0.5





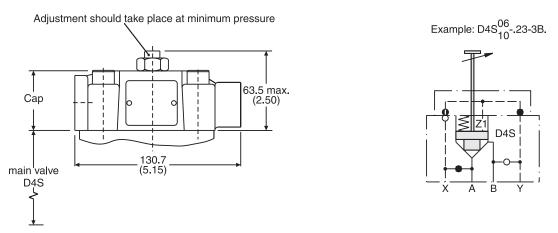
Position Control by Proximity Switch (incl. Amplifier)

Valve open: proximity switch activated.

This proximity switch is pressure proof and has no wearing parts.

Note: Position control for D4S06 and D4S10 only.

Dimensions D4S Stroke Limiter



Note: Stroke limiter not for use with D4S03, vent valve VV01, shuttle valve and positon control.



General Description

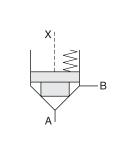
Series D4S seat valves are designed for directional control functions. A large variety of poppets, springs and covers – including shuttle valves, stroke limiters, solenoid valves (VV01) and position control – allow to design individual hydraulic solutions for nominal flow up to 600 LPM (158.7 GPM).

A complete program is offered under the Parker brand: subplate mounted valves (D4S), SAE flange valves (D5S), pipe mounted valves (D4S), slip-in cartridges (CAR – on request).

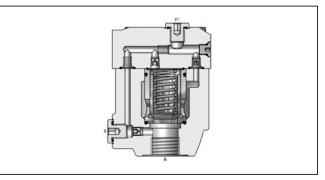
Features

- Leak-free seat valve design.
- 2 body designs
 L-body (2-port); T-body (3-port)
- Numerous pilot options.
- 6 poppet types.
- 4 port sizes
 - G 1/2", G 1" for T-body; G 3/4", G 1 1/2" for L-body .





D4S10 L-Body



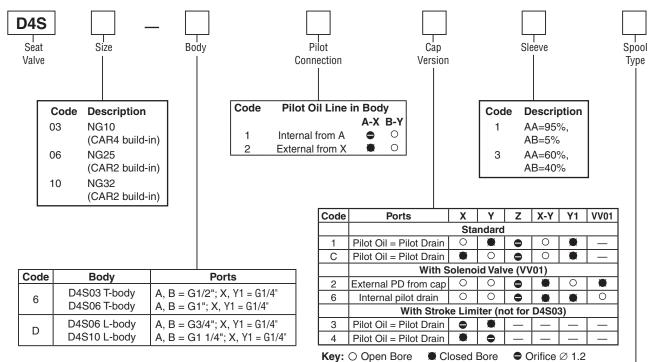
D4S06 L-Body

Sleeve 1,Poppet 1	Sleeve 1, Poppet 2	Sleeve 1, Poppet 4	Sleeve 3, Poppet 4	Sleeve 3, Poppet A	Sleeve 3, Poppet B/C
Z	z z		Z	Z	Z
B	B	B	B	B	B
А	А	А	А	A	A
1 : 1.05	1 : 1.05	1 : 1.05	1:1.67	1 : 1.67	1:1.67
$A_{A} = 0.95 A_{C}$	A _A = 0.95 A _C	A _A = 0.95 A _C	$A_{A} = 0.6 A_{C}$	$A_{A} = 0.6 A_{C}$	$A_{A} = 0.6 A_{C}$
$A_{B} = 0.05 A_{C}$	$A_{\rm B} = 0.05 A_{\rm C}$ $A_{\rm B} = 0.05 A_{\rm C}$		$A_{B} = 0.4 A_{C}$	$A_{B} = 0.4 A_{C}$	$A_{B} = 0.4 A_{C}$
15° chamfer	15° chamfer	45° chamfer	45° chamfer	45° chamfer	45° chamfer
	orifice			safety spool	throttle spool

Selection of Cartridges

WARNING: This product can expose you to chemicals including Lead, Nickel (Metallic), or 1,3-Butadiene which are known to the State of California to cause cancer, and Lead or 1,3-Butadiene which is known to the State of California to cause birth defects and other reproductive harm. For more information go to www.P65Warnings.ca.gov.

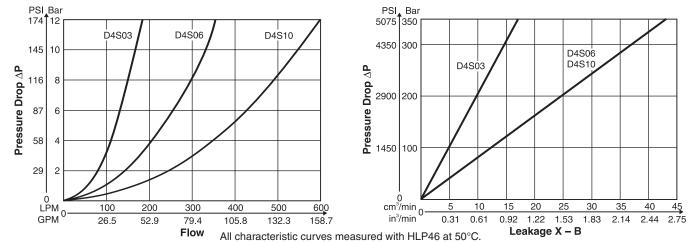




Key: \bigcirc Open Bore Closed Bore Orifice \oslash 1.2 **Note:** Combination examples provided on pages A227-A229.

Code	Size	Poppet Type	Sleeve
1	03, 06, 10	With closed bottom and 15° chamfer (pZ max. = pA +20 Bar (290 PSI)	1
0	03	With 0.8 dia. orifice at the bottom and 15° chamfer	1
2 06, 10		With 1.2 dia. orifice at the bottom and 15° chamfer	1
4	03, 06, 10	With closed bottom and 45° chamfer	1, 3
A*	06, 10	Safety spool (for end position control only)	3
B*	06, 10	Throttle spool, 10° chamfer	3
C*	06, 10	Throttle spool, 3° chamfer	3

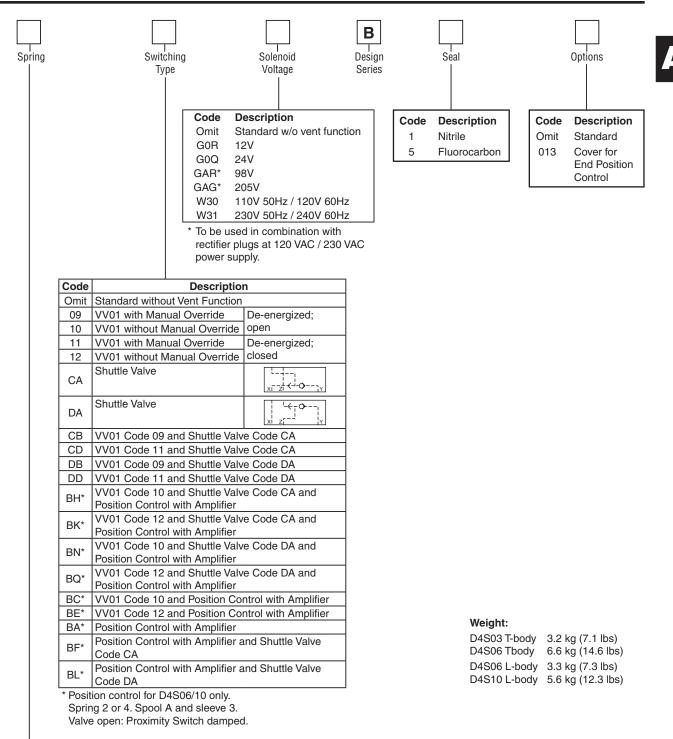
^r Springs 2, 3 and 6 only.



Performance Curves



Directional Control Valves Series D4S (Inline Mounted)



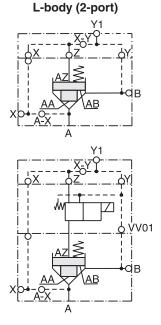
			Sp	oring — A	Appro	x. Cracki	ing Pro	essure i	n Bar ((PSI)		
Code		Sleeve Code 1						Sleeve	Code	3		
Code		A >	> B			A >	> B			B >	> A	
	D4	D4S03 D4S06/10				4S03	D4S	606/10	D4	S03	D4S	06/10
1	2.8	(40.6)	3.5	(50.8)	6.5	(94.3)	6.5	(94.3)	9.5	(137.8)	11.0	(159.5)
2	0.5	(7.3)	0.5	(7.3)	1.0	(14.5)	1.0	(14.5)	1.5	(21.8)	1.7	(24.7)
3	0.3	(4.4)	0.3	(4.4)	0.6	(8.7)	0.6	(8.7)	0.9	(13.1)	1.0	(14.5)
4	2.2	(31.9)	2.2	(31.9)	4.0	(58.0)	3.5	(50.8)	5.5	(79.8)	6.0	(87.0)
5		-	9.0	(130.5)		-	16.0	(232.0)		-	28.0	(406.0)
6	1.2	(17.4)	1.2	(17.4)	2.0	(29.0)	2.2	(31.9)	3.0	(43.5)	3.8	(55.1)
7	3.0	(43.5)		-	8.0	(116.0)		-	12.0	(174.0)		-

---Parker

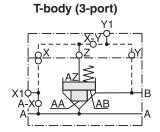
Specifications

General										
Design		T-boo	ły		L-bo	dy				
Size	03 (1/2	2")	06 (1"))	06 (3/4")	10 (1 1/4")				
Mounting	Threaded bo	hreaded body								
Mounting Position	Unrestricted	Inrestricted								
Ambient Temperature [°C] Range	-20 to +50 (·	-4°F to +12	2°F)							
MTTFD [years]	150									
Hydraulic										
	up to 350 Ba	ar (5075 P	SI)							
Pressure Port Y	140 Bar (20	30 PSI) wit	h VV01							
Nominal Flow		180 LPM 360 LPM 360 LPM 600 LPM (47.6 GPM) (95.2 GPM) (95.2 GPM) (158.7 GPM)								
Fluid	Hydraulic oil as per DIN 51524 51525									
Fluid Temperature [°C]	-20 to +80 (-4°F to +176°F)									
Viscosity Permitted cSt / mm ² /s Recommended cSt / mm ² /s	10 to 650 (46 to 3013 SSU) 30 to 80 (139 to 371 SSU)									
Filtration	ISO Class 4	406 (1999) 18/16/13 (a	acc. NAS 1	638: 7)					
Electrical (Solenoid)	•									
Duty Ratio	100%									
Response Time	Energized /	De-energiz	zed AC 20/18	8 ms, DC 4	46/27 ms					
Code	G0R	G0Q	GAR	GAG	W30	W31				
Supply Voltage [V]	12	24	98	205	110 at 50Hz/ 120 at 60 Hz	220 at 50Hz/ 240 at 60Hz				
Tolerance Supply Voltage [%]	+5 to -10	+5 to -10	+5 to -10	+5 to -10	+5 to -10	+5 to -10				
Power Consumption, Hold [W]	31	31	31	31	78	78				
Power Consumption, In Rush [W]	31	31	31	31	264	264				
Max. Switching Frequency [1/h]	AC up to 72	00; DC up	to 16,000 sv	vitchings/h	our					
Solenoid Connection	Connector a	s per EN1	75301-803							
Protection Class	IP65 in acco	ordance wi	h EN 60529	(plugged	and mounted)					
Coil Insulation Class	H (180°C) (3	356°F)								

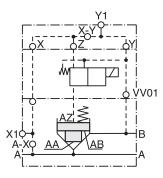
D4S Pilot Configuration L-body (2-port)



Standard

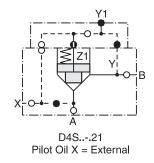


With Vent Valve VV01

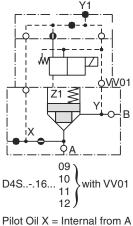




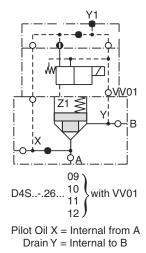
D4S Direct Operated Example

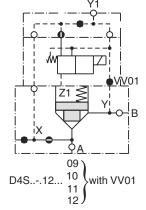


D4S with Solenoid Valve VV01 Examples

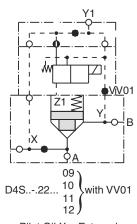


Drain Y = Internal to B





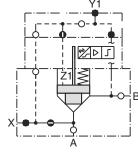
Pilot Oil X = Internal from A Drain Y1 = External out of cap



Pilot Oil X = External Drain Y1 = External out of cap

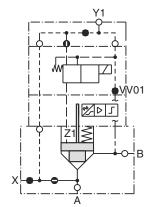


D4S with Position Control Examples



D4S..-.113A.BA (with Position Control)

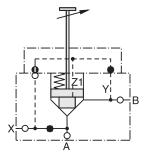
Pilot Oil X = Internal from A



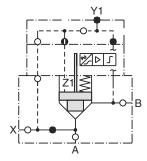
D4S..-.123A. BC) with Position Control BE) and VV01

Pilot Oil X = Internal from A Drain Y1 = External out of Cap



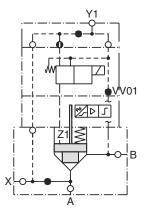


D4S..-.233B. with Stroke Limiter Pilot Oil X = External (Note: for D4S06 and D4S10 only)



D4S..-.213A.BA (with Position Control)

Pilot Oil X = External



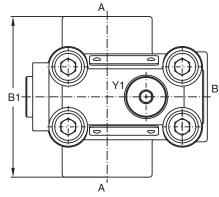
D4S..-.223A. $\underset{BE}{BC}$ with Position Control BE) and VV01

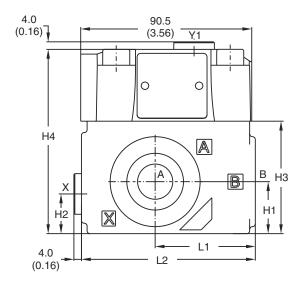
Pilot Oil X = External Drain Y1 = External out of Cap

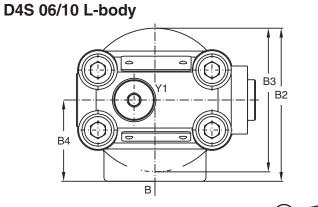


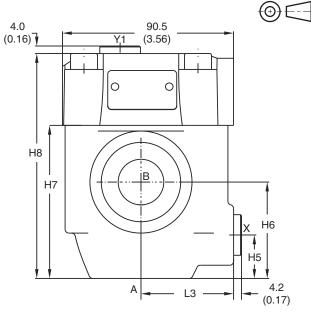
Inch equivalents for millimeter dimensions are shown in $(\ensuremath{^{\star\star}})$

D4S 03/06 T-body









Size	L1	L2	B1	H	11	H2	H3	H4
03 (T-body)	53.0	92.0	85.0	27	7.5	21.0	59.5	97.5
03 (1-b0dy)	(2.09)	(3.62)	(3.35) (1.	08)	(0.83)	(2.34)	(3.84)
06 (T-body)	66.5	117.5	136.0) 38	3.0	28.0	93.0	131.0
06 (1-body)	(2.62)	(4.63)	(5.35) (1.	50)	(1.10)	(3.66)	(5.16)
Size	L3	B2	B3	B4	H5	H6	H7	H8
06 (L body)	49.0	81.0	76.0	43.0	23.0	51.0	81.0	119.0
06 (L-body)	(1.93)	(3.19)	(2.99)	(1.69)	(0.91)	(2.01)	(3.19)	(4.69)
10 (1 hody)	49.8	120.7	85.6	77.8	38.1	50.8	96.0	134.0
10 (L-body)	(1.96)	(4.75)	(3.37)	(3.06)	(1.50)	(2.00)	(3.78)	(5.28)

Ports	Function	Port Size									
FOILS	Function	D4S03 T-body	D4S06 T-body	D4S06 L-body	D4S10 L-body						
A	Inlet or Outlet	G1/2"	G1"	G3/4"	G1 1/4"						
В	Outlet or Inlet	G1/2"	G1/2" G1" G3/4"								
X1	External Pilot Port		G1/4"								
Y1	External Drain*		G1/4"								

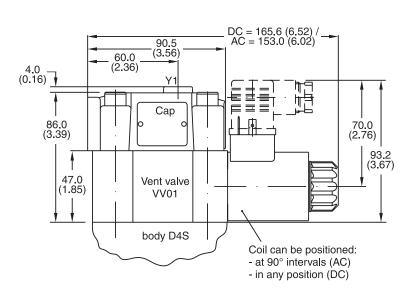
* With VV01 only.

Seal Kits		
Size	Nitrile	Fluorocarbon
03	S26-58507-0	S26-58507-5
06	S26-58475-0	S26-58475-5
10	S26-38508-0	S26-38508-5

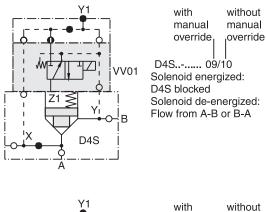


D4S with VV01

Inch equivalents for millimeter dimensions are shown in (**)

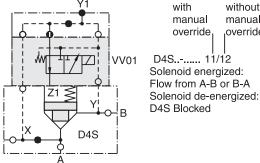


VV01 Seal Kits		
Nitrile	Fluorocarbon	
DC Solenoid		
S26-58515-0	S26-58515-5	
AC Solenoid		
S26-35237-0	S26-35237-5	



manual

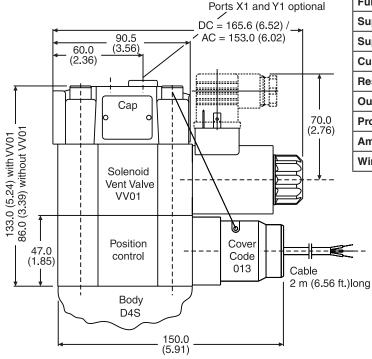
override





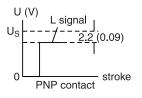
Inch equivalents for millimeter dimensions are shown in (**)

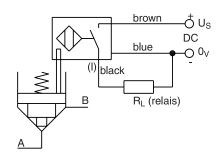
D4S Position Control



Technical Information (proximity switch)

Function		PNP, contact
Supply voltage (Us)	[VDC]	1030
Supply voltage ripple	[%]	≤ 10
Current consumption	[mA]	max. 8
Residual voltage L-signal	[V]	Us - 2.2 at I _{max}
Output current (I)	[mA]	≤ 200
Protection class		IP67
Ambient temperature	[C°]	-25+70; (-13°F+158° F)
Wire cross section	[mm ²]	3 x 0.5





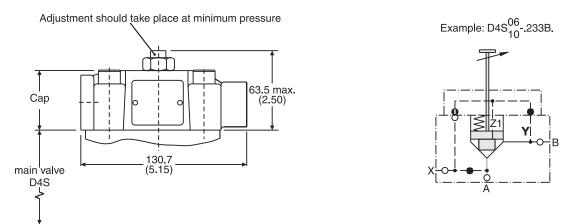
Position Control by Proximity Switch (incl. Amplifier)

Valve open: proximity switch activated.

This proximity switch is pressure proof and has no wearing parts.

Note: Position control for D4S06 and D4S10 only.

D4S Stroke Limiter



Note: Stroke limiter not for use with D4S03, vent valve VV01, shuttle valve and positon control.

