

CRS SERVICE, INC. CRSV20 MODEL CODE BREAKDOWN

MODEL CODE: CRS V20(*) -1 P6 P-1 * (*) (*) 12 (*)
CROSS REFERENCE: A B CDEF GH I J KL

A = CRS BRAND PUMP

B = PUMP FRAME SIZE

V20 = Standard 2 Port Pump
V20F = Flow Control 3 Port Pump
V20P = Priority Flow 4 Port Pump

C = MOUNTING

1 = Standard 2 Bolt SAE "A" Flange 3.25" Pilot Diameter Foot Bracket
2 = 6 Bolt Mount to Replace V230
4 = 2 Bolt SAE "B" Flange
6 =

D = INLET PORTING

P = 1" NPT
S = 1 5/16" Straight Thread
E = 2 Bolt Non-Standard Flange

E = FLOW

		At 1200	At 1800	PSI MAX	RPM MAX
6	=	1.19 CIR 6 gpm	9 gpm	2500	3400
7	=	1.39 CIR 7 gpm	10.5 gpm	2500	3000
8	=	1.62 CIR 8 gpm	12 gpm	2500	2800
9	=	1.81 CIR 9 gpm	13 gpm	2500	2800
10	=	1.93 CIR 10 gpm	15 gpm	2500	2500
11	=	2.22 CIR 11 gpm	16.5 gpm	2500	2500
12	=	2.38 CIR 12 gpm	18 gpm	2500	2400
13	=	2.5 CIR 13 gpm	19.5 gpm	2500	2400

F = OUTLET PORT

P = 3/4" NPT Port
S = 1.062-12 Standard Thread
K = Contact CRS
F = Contact CRs

G = SHAFTS

	Diameter In Inches	Type		Diameter In Inches	Type
1	.750	2.655" Ext St. Key	32	.938	2.06" Ext Key Thd
3	.938	2.79" Ext St. Thd.	33	.938	2.06" Ext Key Thd
6	.748	1.25" Ext Woodruff Key	37	.748	1.750" Ext 11T
10	.75	1.47" Ext Key Thd	38	.748	1.250" Ext 11T
11	.75	2.935" Ext 11T	39	.858	1.665" Ext 13T
15	.874	1.690" 13 T	40	.733	1.750" Ext 11T
16	.623	1.250" 9 T	54	1.00	1.370" Ext 1/2"-20 Tap
17	.687	.780" Ext Stub	55	.746	2.38" Ext 11T
18	.623	1.250" Ext 9 T	62	.608	1.245" Ext 9T
20	.875	2.44" Ext Key Thd	70	.750	1.875" Ext St. Key
23	.875	1.75" Ext 13T	73	.875	2.336" Ext Tapered Thd
27	.950	1.076" Ext	75	.875	.875 Ext Tapered Thd
30	.950	2.00" Ext Tang	79	.750	2.655" Ext Key 1/4-20 Tap
31	.750	2.77" Ext St Key	111	.875	1.448" Ext 13T

H = PORT ORIENTATION

A = Outlet opposite inlet facing the port cover end
B = 90 CCW from inlet facing the port cover end
C = Inlet and outlet in line facing the port cover end
D = 90 CW from inlet facing the port cover end

J = RELIEF VALVE SETTING

A = 250 PSI
B = 500 PSI
C = 750 PSI
D = 1000 PSI
E = 1250 PSI
F = 1500 PSI
G = 1750 PSI
H = 2000 PSI
J = 2250 PSI
K = 2500 PSI

I = CONTROLLED FLOW RATE FOR "F" PUMPS

2 = 2 gpm flow .110" Orifice #35 Drill
4 = 4 gpm flow .136" Orifice #29 Drill
5 = 5 gpm flow .147" Orifice #26 Drill
6 = 6 gpm flow .161" Orifice #20 Drill
7 = 7 gpm flow .173" Orifice #17 Drill
8 = 8 gpm flow .187" Orifice 3/16" Drill
9 = 9 gpm flow .199" Orifice #8 Drill
10 = 10 gpm flow .213" Orifice #3 Drill
11 = 11 gpm flow .221" Orifice #1 Drill

K = PUMP DESIGN

L = PUMP ROTATION FACING THE SHAFT END
BLANK = RIGHT HAND
L = LEFT



CRS Service, Inc.
1986 Rochester Industrial Dr., Rochester Hills, Michigan 48309 Phone 248-652-9940 Fax 248-652-9946
108 May Drive Unit B, Harrison, Ohio 45030 Phone 513-367-3800 Fax 513-367-6577
2335 Handley Ederville Road, Fort Worth, Texas 76118 Phone 817-590-2236 Fax 817-590-2577
www.crsservice.com

For more information or to place an order call 800-521-2628

CRS SERVICE, INC. CRSV20 PARTS LIST

CRSV20-1*-****11 Pump List Price \$423.00 & CRSV20-6***-****11 Pump List Price \$549.00**
CRSV20F-1*-****11 PUMP List Price \$581.00 & CRSV20F-6***-****11 Pump List Price \$739.00**
CRSV20P-1*-****11 PUMP List Price \$642.00 & CRSV20P-6***-****11 Pump List Price \$800.00**
CRSV20-4P-**11 PUMP List Price \$459.00 (Replaces V230 Pump)**

Note: Add \$30.00 to CRSV20 List Price for Viton Seals (CRSF3-V20 Pump)

Cartridge Kits and Parts								
All CRS Cartridge Kits come complete with Cartridge Kit Seals								
Description	Cartridge Kit Part#	List Price	Ring Part#	List Price	Rotor Part#	List Price	Vane Part #	List Price
5 GPM KIT	3924076	\$186.50	3388284	\$119.50	3502255	\$73.50	3923485	\$50.75
6 GPM KIT	3923480	\$186.50	3328150	\$119.50	3502255	\$73.50	3923485	\$50.75
7 GPM KIT	3923481	\$186.50	3328152	\$119.50	3502256	\$73.50	3923493	\$50.75
8 GPM KIT	3923483	\$186.50	3331791	\$119.50	3502256	\$73.50	3923493	\$50.75
9 GPM KIT	3923484	\$186.50	3331789	\$119.50	3502256	\$73.50	3923493	\$50.75
10 GPM KIT	3923620	\$186.50	3374309	\$119.50	3502257	\$73.50	3923478	\$50.75
11 GPM KIT	3923482	\$186.50	3328156	\$119.50	3502257	\$73.50	3923478	\$50.75
12 GPM KIT	3923486	\$186.50	3331806	\$119.50	3502258	\$73.50	3923479	\$50.75
13 GPM KIT	3923487	\$186.50	3331807	\$119.50	3502258	\$73.50	3923479	\$50.75
Shaft Options								
Shaft #	Shaft Part #	List Price		Shaft#	Shaft Part #	List Price		
1	3280372	\$50.25		32	3411498	\$91.75		
3	3280504	\$70.50		33	392704*	POR		
6	3297330	\$65.00		37	3280691	\$170.50		
10	324043*	POR		38	3328096	\$67.25		
11	3280515	\$64.00		39	360399*	POR		
15	3294922	\$70.50		40	3360700	\$169.50		
16	3297227	S/B #18		54	341336*	POR		
17	296625*	POR		55	3423181	\$164.25		
18	3307817	\$74.50		62	582610*	POR		
20	3317999	\$65.00		70	574938*	POR		
23	3324047	\$86.25		73	452055*	POR		
27	3324049	\$71.50		75	452141*	POR		
30	410315*	POR		79	452309*	POR		
31	3370483	POR		111	452817*	POR		
Seal Kit			Shaft Seal			Shaft Bearing		
Description	Part#	List Price	Description	Part#	List Price	Description	Part#	List Price
Buna	3922733	\$12.81	Buna	3229235	\$7.69	Bearing	3098574	\$15.50
Viton	3919805	\$30.75	Viton	3279499	\$15.38			
Shaft End Body			Port End Cover			Retaining Ring		
Description	Part#	List Price	Description	Part#	List Price	Description	Part#	List Price
1P	3280689	\$85.00	P	3313657	\$51.25	Shaft Large	3109975	\$2.92
1S	3294266	\$85.00	S	3293373	\$51.25	Shaft Small	3098653	\$1.13
4P	3308628	\$131.25	K	3375468	\$77.00			
6P	3396975	\$246.25						
6S	3395716	\$246.25						
6E	3324045	\$246.25						



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CRSV20 PARTS LIST Continued...

Pressure Plate			Pressure Plate Spring		
Description	Part #	List Price	Description	Part#	List Price
P. Plate	3359287	\$43.56	Spring	3028422	\$4.60
Bolts			Pins		
Description	Part #	List Price	Description	Part#	List Price
5 to 6	3131485	\$2.72	5 to 6	3002161	\$1.44
7 to 11	3131486	\$3.43	7 to 9	3002478	\$1.44
12 to 13	3001319	\$3.42	10 to 11	3016662	\$1.13
			12 to 13	3009603	\$2.26
CRSV20F Control Valve Sub Assembly					
Description	Part #	List Price	Description	Part#	List Price
250 PSI	3229613	\$40.00	1500 PSI	3232797	\$40.00
500 PSI	3233018	\$40.00	1750 PSI	3232798	\$40.00
750 PSI	3232794	\$40.00	2000 PSI	3232799	\$40.00
1000 PSI	3232795	\$40.00	2250 PSI	3233019	\$40.00
1250 PSI	3232796	\$40.00	2500 PSI	3233020	\$40.00
CRSV20F Control Valve Springs					
Description	Part #	List Price	Description	Part#	List Price
250 PSI	3229613	\$7.14	1000-1250 PSI	002282*	POR
500-750 PSI	3002280	\$4.35	1500-2500 PSI	3002281	\$4.35

*Indicates CRS Brand not available. Call a CRS Sales Representative for Price and Availability.



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For more information on
CRS Brand Vane Pumps
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