

PRINCE CONTROL VALVES

H1

Prince™ - SV Standard Series Sectional Directional Control Valves

Pressure Rating: Maximum Operation Pressure: 3000 PSI, Maximum Tank Pressure: 500 PSI, Nominal Flow Rating: 12 GPM

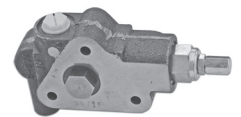
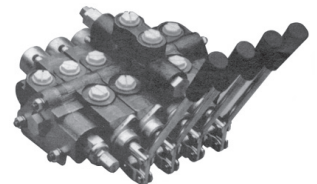
BAUM SEQ. NO.	PART NO.	DESCRIPTION	PORT SIZE	PRICE PER PIECE
PRINCE - INLET SECTIONS - All have both top and side inlet ports				
178202	SVI21	No relief	#10 SAE ORB	\$72.19
178204	SVI24	Adjustable low pressure relief set at 1000 PSI	#10 SAE ORB	100.63
178206	SVI15	Adjustable high pressure relief set at 2000 PSI	#8 SAE ORB	96.71
178208	SVI25	Adjustable high pressure relief set at 2000 PSI	#10 SAE ORB	111.70

PRINCE - WORK SECTIONS - All have load check and standard lever handle				
178210	SVW1AA1	3-Way Single Acting w/ Spring Center	#8 SAE ORB	136.83
178212	SVW1BA1	4-Way Double Acting w/ Spring Center	#8 SAE ORB	190.30
178214	SVW1BB1	4-Way Double Acting w/ 3 Position Detent	#8 SAE ORB	158.97
178216	SVW1CA1	4-Way Motor Spool w/ Spring Center	#8 SAE ORB	198.57
178218	SVW1CB1	4-Way Motor Spool w/ 3 Position Detent	#8 SAE ORB	225.46
178220	SVW1DD1	4-Way 4 Position Float w/ Spring Center	#8 SAE ORB	223.39
178222	SVL1CA1	4-Way 4 Spool w/ Spring Center	#8 SAE ORB	262.49
178224	SVM1ES1	4-Way Meter Spool w/ Spring Center	#8 SAE ORB	127.05

PRINCE - OUTLET SECTION - All have both top and side outlet ports				
178226	SVE11	Open Center Outlet w/ Conversion Plug	#8 SAE ORB	66.29
178228	SVE21	Open Center Outlet w/ Conversion Plug	#10 SAE ORB	85.84
178230	SVE22	Power Beyond Outlet w/ #8 SAE Beyond Port	#10 SAE ORB	99.29
178232	SVE23	Closed Center Outlet	#10 SAE ORB	76.12
178234	SVE26	Open Center Outlet Pressure Build-up Valve	#10 SAE ORB	105.61
178236	SVE27	Power Beyond Pressure Build-up Valve	#10 SAE ORB	117.49

Prince

Model SV



SVI15 Inlet



SVW1BA1
Work Section



SVE11 Outlet

ACCESSORIES for Prince™ SV Standard Series

BAUM SEQ. NO.	PART NO.	DESCRIPTION	PRICE PER PIECE
PRINCE - TIE ROD KITS			
(Torque 150 in-lbs \pm 6 in-lbs or 12-1/2 ft-lbs \pm 1/2)			
178238	660401001	One Work Section	\$19.70
178240	660401002	Two Work Section	51.54
178242	660401003	Three Work Section	55.84
178244	660401004	Four Work Section	100.72
178246	660401005	Five Work Section	109.60
178248	660401006	Six Work Section	54.65
178250	660401007	Seven Work Section	26.36
178252	660401008	Eight Work Section	30.21
178254	660401009	Nine Work Section	14.33
178256	660401010	Ten Work Section	32.51

PRINCE - SPOOL ATTACHMENT KITS			
178258	660180001	Spring Center Kit	71.09
178260	660180002	3 Position Detent Kit	117.01
178262	660180003	Friction Detent Kit	61.47
178264	660180051	Float Detent kit	86.20

BAUM SEQ. NO.	PART NO.	DESCRIPTION	PRICE PER PIECE
PRINCE - HANDLE KITS			
178266	660180011	Standard Handle Kit	29.62
178268	660180032	Clevis Sub-Assembly	56.28
178270	660180005	Complete Handle Kit	137.74
178272	660180031	Pin Kit	15.55

PRINCE - SEAL KITS			
178274	660580001	SVW/SVM Replacement Seal Kit	23.40
178276	660580002	Inlet Seal Kit	24.44
178278	660580003	Outlet Seal Kit	31.10
178280	660580004	Between Section Seal Kit	15.40

PRINCE - INLET RELIEFS			
178282	660250006	Inlet Relief Plug	57.76
178284	660250003	Low Pressure Inlet Relief	118.49
178286	660250002	High Pressure Inlet Relief	64.58

PRINCE - OUTLET CARTRIDGES			
178288	200400030	Open Center Plug	6.22
178290	660280001	#8 SAE Power Beyond Cart	39.25
178292	660280002	Closed Center Plug	44.43

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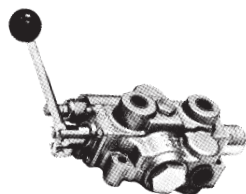
BAUM HYDRAULICS CORPORATION



Prince™ - RD Series Directional Control Valves

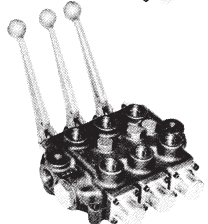
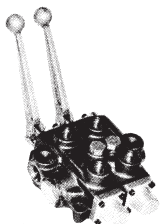
SPECIFICATIONS: Includes Conversion Plug and End Tank Outlet. No Top Tank Outlet.
Built-In Adjustable Relief Valve with Reversible Control Handle. Three 3/8 inch Mounting Holes in Base.

GPM - 25 Maximum Pressure - 3000 PSI Relief Setting - Adjustable



RD Series

Standard One Spool
Standard Two Spool
Standard Three Spool
With Float
on First Spool



Joystick for Prince
Two Spool
valves ONLY
RD523CCAA5A4B1
or
RD523GCGA5A4B1

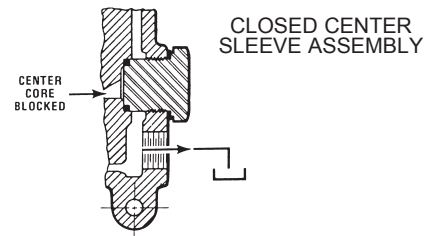
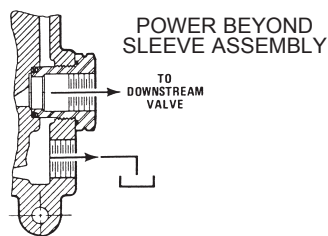
BAUM SEQ. NO.	PART NO.	NO. OF SPOOLS	SPOOL TYPE	SPOOL ACTION	INLET/ OUTLET	CYL. PORTS	PRICE PER PIECE
PRINCE - RD Series Directional Control Valves							
178445	RD512CA5A4B1	1	4-way, 3-pos. tandem center	Single Spool: 3 pos., spring center to neutral	3/4" NPT Side	1/2" NPT Top	\$296.82
178446	RD522CCAA5A4B1	2	Both Spools: 4-way, 3-pos. tandem center	Both Spools: 3 pos., spring center to neutral	3/4" NPT Side	1/2" NPT Top	\$477.81
178447	RD532CCCAA5A4B1	3	All Spools: 4-way, 3-pos. tandem center	All Spools: 3 pos., spring center to neutral	3/4" NPT Side	1/2" NPT Top	\$622.60
178460	RD513CA5A4B1	1	4-way, 3-pos. tandem center	Single Spool: 3 pos., spring center to neutral	3/4" NPT Side	3/4" NPT Top	\$296.82
178461	RD523CCAA5A4B1	2	Both Spools: 4-way, 3-pos. tandem center	Both Spools: 3 pos., spring center to neutral	3/4" NPT Side	3/4" NPT Top	\$477.81
178462	RD533CCCAA5A4B1	3	All Spools: 4-way, 3-pos. tandem center	All Spools: 3 pos., spring center to neutral	3/4" NPT Side	1/2" NPT Top	\$753.83
178454	RD513GG5A4B1	1	Double Acting with Built-in Float	Single Spool: 4 pos., spring center to neutral	3/4" NPT Side	3/4" NPT Top	\$360.83
178456	RD523GCGA5A4B1	2	1 Double Acting with Built-in Float and 1 Double-Acting	Single Spool: 4 pos., spring center to neutral	3/4" NPT Side	3/4" NPT Top	\$567.67
178458	RD533GCGAA5A4B1	3	1 Double Acting with Built-in Float and 2 Double-Acting	Single Spool: 4 pos., spring center to neutral	3/4" NPT Side	3/4" NPT Top	\$843.47

PRINCE - Joystick for RD Valves

178377	660150011	2	---	Joystick Handle - Straight	---	---	\$ 551.59
178375	660150012	2	---	Joystick Handle - 45 Degree	---	---	\$ 241.43

PRINCE - Accessories for RD Valves

178392	660312004	Power Beyond Sleeve					\$73.32
178382	660150002	3-Position Detent Kit - No Spring					\$127.97
178383	660150003	Friction Detent Kit					\$41.55
178385	660150018	1-Position Detent Kit OUT w/ spring center					\$171.56
178394	660312005	Closed Center Plug					\$83.98
178282	660250006	No Relief Plug					\$57.76
EE2152	660551001	Seal Kit for 1 Spool Valve					\$6.56
EE2154	660552001	Seal Kit for 2 Spool Valve					\$6.97
EE2156	660553001	Seal Kit for 3 Spool Valve					\$8.63
178384	660150004	Handle Assembly					\$42.66
178380	660150001	Centering Spring (only) to Neutral					\$36.26
178284	660250003	Low Pressure Relief - 500-1500 PSI SP & SPK - Cartridge for SP					\$118.49



ASK FOR QUANTITY DISCOUNT Prices subject to change without notice.

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CROSS CONTROL VALVES

H3

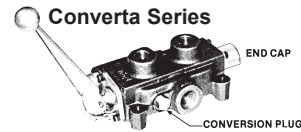
Cross Motors - BA Series & Converta Series

Directional Control Valves

SPECIFICATIONS: Includes Conversion Plug and End Tank Outlet. No Top Tank Outlet. BA Series has Three 3/8 inch Mounting Holes in Base.

GPM - 25 Maximum Pressure - 2000 PSI

Relief Setting - Converta Series Adjustable, BA Series Relief Set at 1500 PSI



BA Series



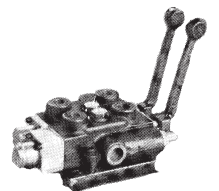
BAUM SEQ. NO.	PART NO.	NO. OF SPOOLS	SPOOL TYPE	SPOOL ACTION	INLET/ OUTLET	CYL. PORTS	PRICE PER PIECE
CROSS - BA & CONVERTA Series Directional Control Valves							
172805	CONVERTA	1	Double Acting	Self Centering Type	3/4" NPT Side	1/2" NPT Top	\$243.27
172798	BA11AG3EAO	1	Double Acting	Self Centering Type	3/4" NPT Side	1/2" NPT Top	\$327.72
172805	CONVERTA	1	Single Acting	Self Centering Type	3/4" NPT Side	1/2" NPT Top	\$243.27
172800	BA15BG3EAO	1	Double Acting with Detent	Free-Wheeling	3/4" NPT Side	1/2" NPT Top	\$515.73
172801	BA15AG3EAO	1	Double Acting	Free-Wheeling	3/4" NPT Side	1/2" NPT Topl	\$317.85
173058	BA211AAG3EAO	2	Double Acting	Self Centering Type	3/4" NPT Side	1/2" NPT Top	\$498.57
173078	BA311AAAG3EAO	3	Double Acting	Self Centering Type	3/4" NPT Side	1/2" NPT Top	\$660.11
173888	BA2A1XAG3EAO	2	Double Acting with Built-in Float	Single Spool: 4 pos., spring center to neutral	3/4" NPT Side	1/2" NPT Top	\$568.29
173970	BA3A11XAAG3EAO	3	1 Double Acting with Built-in Float and 2 Double-Acting	Single Spool: 4 pos., spring center to neutral	3/4" NPT Side	1/2" NPT Top	\$657.98

CROSS - Accessories for BA Valves

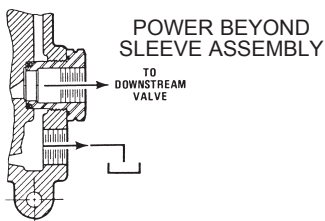
726656	1V0208	Power Beyond Sleeve	\$32.40
727040	1V0294	3-Position Detent Kit - No Spring	\$68.49
726976	1V0558	Friction Detent Kit	\$103.94
727104	1V0559	1-Position Detent Kit OUT	\$85.76
726592	1V0206	Closed Center Plug	\$50.35
726500	1R0035	No Relief Plug	\$28.99
EE2112	2V0008	Seal Kit for 1 Spool Valve	\$4.85
EE2114	2V0009	Seal Kit for 2 Spool Valve	\$5.73
EE2116	2V0010	Seal Kit for 3 Spool Valve	\$6.89
727360	4Z4306	Cross Handle Bracket	10.55
727424	1V1703 PLUS	Handle Only	\$33.95
727488	1V1701 for BA	Pin Kit	\$11.89
727552	1V1702 for CA	Pin Kit	\$12.48
727770	1A0768	Knob for Selector Valve	\$4.81
726720	1A0744	Centering Spring (only) to Neutral	\$5.06
726715	1V1225	Centering Spring Kit	\$40.84
728388	1R0016	Low Pressure Relief - 500-1500 PSI SP & SPK - Cartridge for SP	\$51.59
726464	1R0017	High Pressure Relief - 1500-3000 PSI SP & SPK - Cartridge for SP	\$56.22



Model
BA15BG3EAO



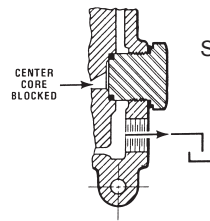
Two Spool and
Three Spool
All Double Acting
with 4 Position Float
on the First Spool



POWER BEYOND
SLEEVE ASSEMBLY
TO
DOWNSTREAM
VALVE



DETENT KITS



CLOSED CENTER
SLEEVE ASSEMBLY

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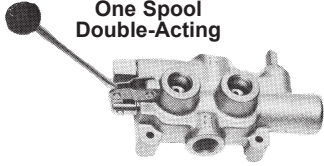
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Model LS3000-2
One Spool
Double-Acting



Model LS755C4JSHA
One Spool
Double-Acting



Prince™ - LS Series Hydraulic Directional Control Valves

BAUM SEQ. NO.	PART NO.	DESCRIPTION	CAP. GALLON	WT. LBS.	PRICE PER PIECE
PRINCE - KNOCK-OUT VALVES					
178448	LS3000-2	Double-Acting	25	--	\$244.08
SPECIFICATIONS:					
Capacity -		25 Gallons	Pressure Relief Detent Setting - 600 to 2000 PSI		
Maximum Pressure -		2750 PSI	Inlet & Outlet Ports - 3/4 inch Pipe Thread		
Relief Setting -		2250 PSI	Cylinder Ports - 3/4 inch Pipe Thread		
Three 11/32 inch Mounting Holes in Base					

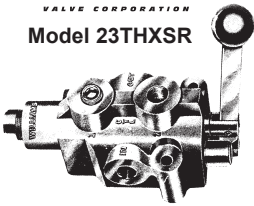
PRINCE - KICK-OUT CONTROL VALVE - Closed Center - No Relief

BAUM SEQ. NO.	PART NO.	DESCRIPTION	CAP. GALLON	WT. LBS.	PRICE PER PIECE
176010	LS755C4JSHA	Double-Acting	18	5.5	\$....
SPECIFICATIONS:					
Capacity -		25 Gallons	Inlet & Outlet Ports - 3/4 inch Pipe Thread		
Maximum Pressure -		3000 PSI	Work Ports - 1/2 inch Pipe Thread		



WILLIAMS
VALVE CORPORATION

Model 23THXSR

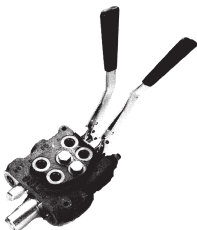


Williams - Control Valves

SPECIFICATIONS: 4500 PSI Max. Pressure, Relief Set at 2500 PSI, 3/8" Ports

BAUM SEQ. NO.	PART NO.	DESCRIPTION	GPM	WT. LBS.	PRICE PER PIECE
WILLIAMS - CONTROL VALVES					
177728	23THXSR	1 Spool For Double Acting Cylinders	9	9	\$358.10
177795	1314	Repair Kit	---	---	64.72

METRO



6 GPM Relief 2000
Standard Two Spool
All Ports
9/16-18 o-ring

Metro - D2 Series Float Position Medium Control Valves

SPECIFICATIONS: Not sure on copy for specifications - Not sure on copy for specifications -
Not sure on copy for specifications ??????

GPM - 6 Maximum Pressure - 2000 PSI Relief Setting - Adjustable

BAUM SEQ. NO.	PART NO.	NO. OF SPOOLS	SPOOL TYPE	SPOOL ACTION	INLET/ OUTLET	CYL. PORTS	PRICE PER PIECE
METRO - D2 Series Float Position Medium Hydraulic Control Valves							
704990	D2CF1T2J	2	1 Double Acting with Built-in Float and 2 Double-Acting	Single Spool: 4 pos.,	9/16-18 o-ring	9/16-18 o-ring	\$509.82
704992	M-PB			Power Beyond Sleeve for Metro			\$19.19
-----	M-CC			Closed Center Plug for Metro			\$....

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Prince™ - 8 GPM Monblock Valves

PRODUCT FEATURES: 1-6 Spool monoblock, Convertible to power beyond and closed center capability, Interchangeable motor spool, #8 O-ring In/Out Ports, #8 Work Ports, Double acting, Load check, Closed center plug, Enclosed handle

GPM - 8 Maximum Pressure - 3500 PSI Relief Setting - Adjustable

BAUM SEQ. NO.	PART NO.	# OF SPOOLS / TYPE / ACTION	PRICE PER PIECE
PRINCE - 8 GPM MONOBLOCK VALVES			
178468	MB11B5CI	1 Spool Spring Center	\$171.47
178470	MB11C5CI	1 Spool for Motor 3 Position Detent	\$238.91
178472	MB21BB5CI	2 Spool Spring Center	\$299.93
178474	MB21GB5CI	2 Spool Float with Detent & Spring Center	\$420.93
178476	MB31BBB5CI	3 Spool Spring Center	\$473.67
178478	MB41BBBBB5CI	4 Spool Spring Center	\$601.92
178480	MB52BBBBBB5CI	5 Spool Spring Center	\$668.11
178482	MB61BBBBBBB5CI	6 Spool Spring Center	\$651.56

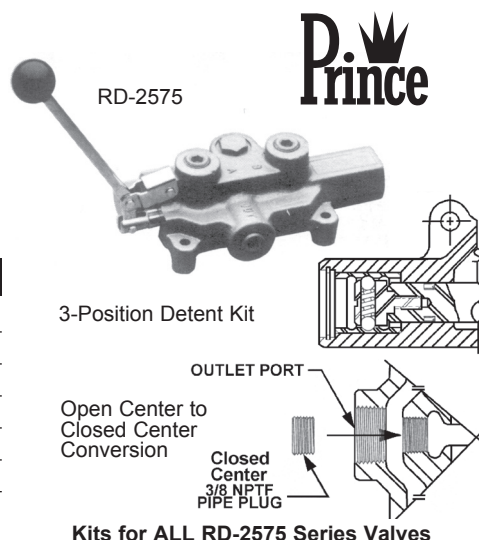


Prince™ - Control Valves with Closed Center Plug Included

PRODUCT FEATURES: Valves have a load check, a complete lever handle assembly, and an adjustable ball-spring relief set at 1500 PSI/12 GPM. Convertible from open center to closed center with included plug. Use with system flows to 20 GPM and pressures to 3000 PSI. 3/4 NPTF In/Out Ports and 1/2 NPTF Work Ports.

GPM - 20 Maximum Pressure - 3000 PSI Relief Setting - Adjustable

BAUM SEQ. NO.	PART NO.	# OF SPOOLS / TYPE / ACTION	PRICE PER PIECE
PRINCE - CONTROL VALVES WITH CLOSED CENTER PLUG INCLUDED			
178440	RD-2575-T4-ESA1	4 Way Tandem Center	\$217.19
178442	RD-2575-T3-ESA1	3 Way Tandem Center	\$172.83
178444	RD-2575-M4-ESA1	4 Way Motor Spool	\$225.46
178376	660125001	Detent Kit	\$85.04
178378	660125002	Sprint Center Kit	\$11.20
178379	660525001	Seal Kit	\$36.77



Prince™ - WLVT Two Spool Monoblock Loader Valve

SPECIFICATIONS:

Parallel Circuit
 Maximum Operating Pressure 3000 PSI Maximum Operating Temperature 180° F
 Maximum Tank Pressure 500 PSI Recommended System Filtration ISO 4406 17/14

BAUM SEQ. NO.	PART NO.	# OF SPOOLS / TYPE / ACTION	PRICE PER PIECE
PRINCE - LVR & LVT TWO SPOOL MONOBLOCK LOADER VALVE			
178451	WLVT21CGB5A1	12 GPM - 2 Spool A1 & B1: 4-way, 4-pos. Float, spring center; A2 & B2: 4-way, 4-pos. spring center	\$459.20



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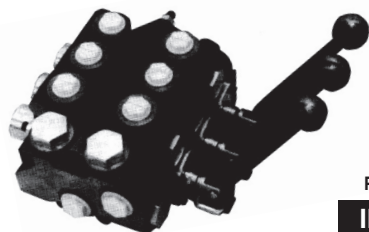
BAUM HYDRAULICS CORPORATION

PRINCE SECTIONAL DIRECTIONAL CONTROL VALVES

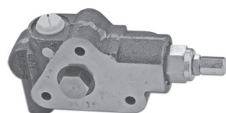


Prince™ - Series 20 Sectional Directional Control Valves

SPECIFICATIONS: Parallel or Tandem Circuit Construction



Model 20



2012G Inlet



20P1AA1AA
Work Section



20E21 Outlet

Pressure Rating:

Maximum Operation Pressure	3500 PSI
Maximum Tank Pressure	500 PSI
Nominal Flow Rating	20 GPM
Refer to Pressure Drop Curves	

Maximum Operating Temperature 180°

Foot Mounting Weight Per Section

Inlet Section	Approx. 6.0 lbs.
Outlet Section	Approx. 3.5 lbs.
Work Section (Standard)	Approx. 9.0 lbs.

Filtration: Fluid cleanliness should meet the ISO 4406 17/14 level. As a minimum, 10 micron filtration is recommended.

PART NO.	DESCRIPTION	PRICE PER PIECE
INLET SECTIONS All have both top and side inlet ports		
2012G	Adjustable low pressure relief set at 1750 PSI - Port size 1-1/16 O Ring Ports	167.96
2012H	Adjustable high pressure relief set at 2200 PSI - Port size 1-1/16 O Ring Ports	201.67
2012J	Adjustable high pressure relief set at 2500 PSI - Port size 1-1/16 O Ring Ports	201.67
WORK SECTION All have 7/8 oring ports, load check and standard lever handle		
20P1AA1AA	3-Way Single Acting w/ Spring Center	257.94
20P1BA1AA	4-Way Double Acting w/ Spring Center (Work Ports Blocked in Neutral)	246.25
20P1BB1AA	4-Way Double Acting w/ 3 Position Detent (Work Ports Blocked in Neutral)	255.45
20P1CA1AA	4-Way Motor Spool w/ Spring Center (Work Ports Open to Tank in Neutral)	257.94
20P1CB1AA	4-Way Motor Spool w/ 3 Position Detent (Work Ports Open to Tank in Neutral)	267.14
20P1DD1DD	4-Way 4 Position Float w/ Spring Center and Float Detent	321.97
20L1CA1	4-Way Spool w/ Spring Center (with Pilot Operated Checks on Both Work Ports)	306.91
OUTLET SECTION All have both top and side outlet ports		
20E21	Open Center Outlet w/ Conversion Plug - Port size 1-1/16 O Ring Ports	95.15
20E22	Power Beyond Outlet w/ #10 SAE Beyond Port - Port size 1-1/16 O Ring Ports	110.25
20E23	Closed Center Outlet - Port size 1-1/16 O Ring Ports	105.49

PART NO.	DESCRIPTION	PRICE PER PIECE
TIE ROD KITS (Torque 360 inch pounds or 30 - 32 foot-pounds)		
660402001	One Work Section	26.36
660402002	Two Work Sections	33.02
660402003	Three Work Sections	34.88
660402004	Four Work Sections	35.96
660402005	Five Work Sections	83.86
660402006	Six Work Sections	93.93
660402007	Seven Work Sections	116.72
660402008	Eight Work Sections	56.73
660402009	Nine Work Sections	60.45
660402010	Ten Work Sections	73.08

SPOOL ATTACHMENT KITS

660190003	Spring Center Kit	49.91
660190004	3 Position Detent Kit	45.88
660190005	Friction Detent Kit	45.88

HANDLE KITS

660190002	Standard Handle Kit	45.11
660190007	Complete Handle Kit	86.96

PART NO.	DESCRIPTION	PRICE PER PIECE
SEAL KITS		
660585002	Inlet Seal Kit	24.49
660585003	Outlet Seal Kit	25.11
660585004	Between Section Seal Kit	24.34

INLET RELIEFS

660290001	No Relief Plug	22.94
660290203	Low Pressure Inlet Relief - Set at 1750 PSI	115.32
660290207	High Pressure Inlet Relief - Set at 2500 PSI	115.32

OUTLET CARTRIDGES

660290006	Open Center Plug	12.71
660290004	Power Beyond Cart with 7/8 oring port	27.36
660290005	Closed Center Plug	24.65

ASK FOR QUANTITY DISCOUNT Prices subject to change without notice.

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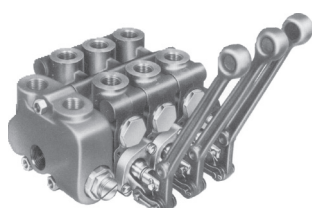
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PARKER SECTIONAL DIRECTIONAL CONTROL VALVES

H7

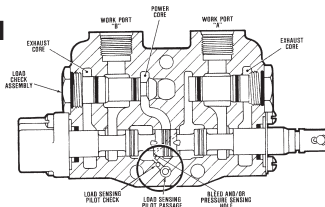


Parker/Gresen - Sectional Directional Control Valves
SOLD IN INDIVIDUAL SECTIONS, BOLT & HANDLES SOLD SEPARATELY
ORDER RELIEF VALVE SET AT 2500 PSI.



V20 VALVE 30 GPM 3500 PSI

With Top and Side Ports
 1-1/16" O-Ring Inlet
 1-1/16" O-Ring Outlet



V20LS VALVE 30 GPM 3000 PSI

Rating at work port with valve spool in neutral: 5000 PSI
 Capacity: Normal: 20 GPM
 Max Exhaust Core Pressure: With std spool seal retainer: 200 PSI
 Filtration Required: 33 micrometre

30 GAL. V20 VALVE

Part No. Price Per Piece

30 GAL. V20LS VALVE

Part No. Price Per Piece

INLET SECTION LEFT SIDE WITHOUT RELIEF VALVE Must order Relief Valve Cartridge

Cover Plate with end and top inlet & outlet	20-LC-12	\$171.96	20-LC-12	\$171.96
Cover Plate with built-in Flow Control	20-LC-12-FC	479.11	-----	----
Plug the Outlet in these Left Cover Plates if you use the Outlet in the Right Cover Plate.				
No Relief Plug Needed for Load Sense Inlet Cover	-----	----	K-20-NR	37.32

CENTER SECTION

With Double-Acting Spool 4-way	20-10-04	359.91	20LS-10-04	394.57
With Double-Acting Spool, 4-way, Big Ports	20-R12-04	426.09	-----	----
With Single-Acting Spool 3-way	20-10-03	197.55	20LS-10-03	----
*Spring return to neutral, SAE 10 ports, 4-way,	20S-10-04	516.81	-----	----
With Double-Acting Spool & Float, 4-way	20-10-K4	541.12	20LS-10-K4	567.86
With Dble-Act Spool-Detent & Free Flow for motors	20-10-DF4	569.38	-----	----
With Dble-Act Spool Spring Center & Free Flow for motors	-----	----	20LS-10-F4	205.10
With Dble-Act Spool, 4-way with Pressure Detent	20-10-K04-2000	413.00	-----	----

MID-INLET CONVERSION SECTION

With Top Inlet and Split Flow	20-12-SF	185.08	-----	----
With Top Inlet and Combined Flow	20-12-CF	95.00	-----	----

OUTLET SECTION RIGHT SIDE

Cover Plate w/Convers. Plug & End Outlet	20-RC-12-E-MY	123.97	20-RC-12-E-LS	198.97
--	---------------	--------	---------------	--------

SHUTTLE VALVE

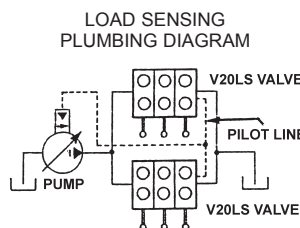
For Load Sense Line - 6SAE Ports	-----	----	LSV1-6T-N	95.28
----------------------------------	-------	------	-----------	-------

THROUGH BOLT KITS COVER PLATES DO NOT COUNT AS SPOOLS

For 1 Spool Valves (NOTE: Bolts	K-20-1	3.09	K-20LS-1	3.14
For 2 Spool Valves (NOTE: Includes Seals)	K-20-2	3.40	K-20LS-2	3.47
For 3 Spool Valves	K-20-3	5.58	K-20LS-3	5.68
For 4 Spool Valves	K-20-4	6.28	K-20LS-4	6.40
For 5 Spool Valves	K-20-5	20.47	K-20LS-5	20.61
For 6 Spool Valves	K-20-6	37.56	K-20LS-6	37.73
For 7 Spool Valves	K-20-7	37.88	K-20LS-7	38.07
For 8 Spool Valves	K-20-8	38.39	K-20LS-8	38.61

ACCESSORIES

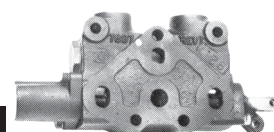
Single Lever Actuator for 2 Functions	MJ2-20L	262.27	MJ2-20L	262.27
Order 1 for each spool	K-20-VH-B	54.65	K-20-VH-B	54.65
Seal Kits-Order 1 ea. spool w/sect. seals	K-6027A	10.47		
Closed Center Plug	K-20-C	26.66		
No Relief Plug	K-20-NR	37.32		
Conversion Plug	K-20-X	15.07		
Cylinder Port Relief & Anti-Cavitation	CRA-2550	78.56		
Cylinder Port Relief & Anti-Cavitation	CRA-2000	78.56		
Power Beyond Sleeve	K-20-50-Y	69.32		
3-Position Detent Kit	K-20-D	63.98		
Spring Return Kit	K-6125	84.25		
Main Relief Cartridge	WH-1700	79.98		
Main Relief Cartridge	WH-1950	83.40		
Main Relief Cartridge	WH-2550	114.64		
Work Port Relief Adjustable 1250-1749 PSI	RC-1700	77.58		
Work Port Relief Adjustable 1750-1999 PSI	RC-1950	131.23		
Adjustable Main Relief	RP-51A-3000	361.28		



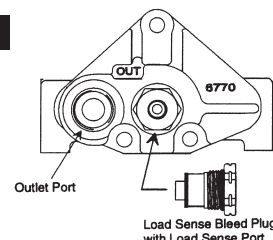
2 or more Directional control valve assemblies may be supplied from a single variable displacement pump by using a T arrangement



MODEL V20P
 LEFT INLET COVER
 for V20



(8072 Section)
 20-10-03, 20-10-04,
 20-10-DF4,
 20-10-K04-2000,
 20-10-K4



Outlet Cover
 w/ Bleed Port



MJ2 Handle
 Assembly

* This section is a series section, for open center systems ONLY.

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PARKER SECTIONAL DIRECTIONAL CONTROL VALVES

Parker/Commercial - Sectional Directional Control Valves

SOLD IN INDIVIDUAL SECTIONS, BOLT & HANDLES SOLD SEPARATELY

ORDER RELIEF VALVE SEPARATELY

SPECIFICATIONS: Valves have SEPARATE TRANSITION CHECKS built into each spool for positive control. Positive cylinder movement is maintained. Valves not exactly as pictured.

MEDIUM SIZE - DVA20 VALVES

30 Gallon Capacity / 2500 PSI

1-5/16" O-Ring B Top Inlet Port

And 1-5/16" O-Ring End Inlet Port

1-5/16" O-Ring Top Outlet Port

1-1/16" O-Ring Cylinder Port

1-5/16" O-Ring End Power Beyond Port

LARGE SIZES - DVA35 VALVE

50 Gallon Capacity / 2500 PSI

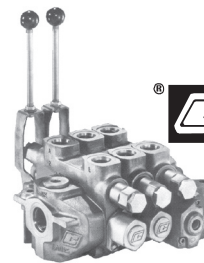
1-5/16" O-Ring B Top Inlet Port

And 1-5/8" O-Ring B End Inlet Port

1-5/8" O-Ring Outlet Port

1-5/16" Cylinder Port

1-5/8" O-Ring End Power Beyond Port



Parker



**Commercial
Intertech**

30 GALLON VALVE

Part No. Price Per Piece

50 GALLON VALVE

Part No. Price Per Piece

INLET COVER LEFT SIDE WITHOUT RELIEF VALVE Must order Relief Valve Cartridge

Cover Plate with end and top inlet - NO outlet

DVA20-A880 \$247.69

DVA35-A980 \$314.01

CENTER SECTION - LO-BOY

With Double-Acting Spool 4-way

DVA20-DA7 412.82

DVA35-DA8 602.31

With Single-Acting Spool 3-way

DVA20-SA7 359.89

DVA35-SA8 584.72

With Double-Acting Spool & Float 4-way

DVA20-FC7 554.94

With Double-Acting Spool, Detents & Free Wheeling for Motors

DVA20-MB7 532.11

With Double-Acting Spool, Spring Return Free Wheeling for Motors

DVA35-MA8 545.46

With Double Acting Spool, 4-way, 12 Volt

DVA35-DK8* 1301.33

With Double Acting Spool, 4-way, Airshift

DVA20-DV7 613.26

DVA35-DV8 636.96

CENTER SECTION - HI-BOY

With Double Acting Spool, 4-way

DVA20-HA755 557.65

DVA35-HA855 502.13

With Single Acting Spool, 3-way

DVA20-JA705 319.93

DVA35-JA805 452.71

With Double Acting Spool & Float, 4-way

DVA20-LA755 355.33

DVA35-GC855 634.77

With Double-Acting Spool, Spring Return & Free Wheeling for Motors

DVA20-LA755 355.33

DVA35-LA855 649.68

With Double Acting Spool, 4-way, 12 Volt

DVA20-HK755* 1168.02

DVA35-HK855* 1343.38

With Double Acting Spool, 4-way, Airshift

DVA20-HV755 631.72

DVA35-HV855 698.56

MID-INLET CONVERSION SECTIONS

With Top Inlet, Comb. Flow

DVA20-CFA70 343.79

DVA35-CFA80 282.94

With Top Inlet, Split Flow

DVA20-SFA70 220.25

DVA35-SFA80 282.94

OUTLET COVER RIGHT SIDE

Cover plate for Power Beyond or Closed Center

DVA20-PB80 196.26

DVA35-PB90 201.67

Cover plate with end & top outlet for Open Center ONLY

DVA20-TR88 151.59

DVA35-TR99 219.27

HANDLE ASSEMBLY

Order 1 for each spool

DV20-H-6 48.11

DV35-H-6 48.20

For DVA Section 10"

DV20-H-10 63.61

DV35-H-10 59.55

THROUGH BOLT KITS COVER PLATES DO NOT COUNT AS SPOOLS TORQUE TO 20 FOOT LBS.—NO MORE

For 1 Spool Valves

(NOTE: Bolts

DVA20-SK-1 18.95

DVA35-SK-1 32.48

For 2 Spool Valves

Priced Per Set)

DVA20-SK-2 24.36

DVA35-SK-2 62.26

For 3 Spool Valves

(NOTE: Includes Seals)

DVA20-SK-3 26.54

DVA35-SK-3 73.09

For 4 Spool Valves

DVA20-SK-4 47.58

DVA35-SK-4 65.00

For 5 Spool Valves

DVA20-SK-5 52.52

DVA35-SK-5 86.58

For 6 Spool Valves

DVA20-SK-6 94.75

DVA35-SK-6 158.36

For 7 Spool Valves

DVA20-SK-7 58.60

DVA35-SK-7 93.63

For 8 Spool Valves

DVA20-SK-8 72.00

DVA35-SK-8 218.43

ACCESSORIES

Slug Adj. 1000 PSI Relief without A/C 500-1000 PSI

DV-PRV-1 114.19

DV-PRV-1 114.19

Slug Adj. 2000 PSI Relief without A/C 1000-2500 PSI

DV-PRV-2 163.57

DV-PRV-2 163.57

2500 PSI Comb. Relief with Anti-Cavitation 500-5000

DV-PRVAC 166.17

DV-PRVAC 166.17

Work Port Relief Plug for Hi-Boy Valves

DV-PRVP 46.02

DV-PRVP 46.02

Seal kits - Sectional seals only

DV20-K-1 25.72

DV35-K-11 21.66

Seal kits - Order 1 each spool with sectional seals

DV20-K-2 56.85

DV35-K-12

Seal kit for DVA Port Relief Valve without A/C

DV20-K-3 17.04

DV35-K-3 17.04

Seal kit for DVA Port Relief Valve with A/C

DV20-K-3-1 38.16

DV35-K-3-1 38.18

Seal kit for DVA20 & DVA35 Air Shift

DV-K-7 25.24

DV-K-7 25.24

Relief Plug required for Closed Center Valves

DVA20-MRVP 54.14

DVA35-MRVP 42.51

Adj. Main Relief Cart. for Power Beyond & Open Center Valves

DVA20-MRV 185.43

DVA35-MRV-2 196.26

Detent kit 3-Position

DV20-K-101 63.76

DV35-K-201 79.86

Spring Return

DV20-K-100 55.49

DV35-K-200 62.26

Rotary Control Actuators

DV20-K-102 223.63

DV35-K-202 241.03

Airshift Actuators

DV20-K-113 366.80

DV35-K-213 219.86

Solenoid Actuators 12 Volt DC

DV20-K-106* 734.58

DV35-K-206* 734.58

* SOLENOID SECTION and INLET NEED PILOT SUPPLY MACHINING.

ASK FOR QUANTITY DISCOUNT Prices subject to change without notice.

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SOLENOID CARTRIDGE & CONTROL VALVES

H9

Baum - Solenoid Cartridge Valves - *MUST ORDER CARTRIDGE, COIL & BODY*

SPECIFICATIONS: Utility On/Off Valves normally open or closed.
Does not have wiring nor switches. 40 PSI Minimum to Lift Poppet.

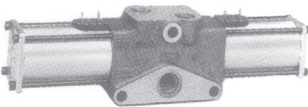
PART NO.	TYPE	GPM	DESCRIPTION	PRICE PER PIECE
DSL101NR	Cartridge	18	Normally Open Cartridge for 10 series CAP **** Coil	\$131.88
DSL101CR	Cartridge	18	Normally Closed Cartridge for 10 series CAP **** Coil	125.76
DSH161NR	Cartridge	50	Normally Open Cartridge for 16 series CAP **** Coil	295.65
DSH161CR	Cartridge	50	Normally Closed Cartridge for 16 series CAP **** Coil	260.85
CAP012S	Coil		12 Volt Spade connector coil 0.64" ID x 1.97" Long	73.36
CAP115C	Coil		110 Volt dbl. lead wire w/ conduit connector 0.64" ID x 1.97" Long	....
CCP012S	Coil		12 Volt Spade connector coil 0.52" ID x 1.57" Long 10 & 16 series	30.51
CCP115C	Coil		115 Volt dbl. lead wire w/ conduit connector 0.52" ID x 1.57" Long 10 & 16 series	34.52
B10-2-8T	Body		Cartridge Valve Body for 10 series 80RB ports 3/4-10 Thread	130.17
LB10573A	Body		Cartridge Valve Body for 16 series 160RB ports 1-5/16-12 Thread	....



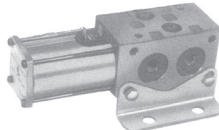
Solenoid Control Valves

PRODUCT FEATURES: 4-way 12 volt solenoid valve section,
multiple valves can be used by ordering the correct mounting bracket.

MD06 Control Valve 12 Gallon



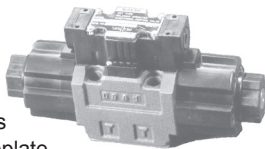
MS06 Selector 12 Gallon



Part Number	Description	Price Per Piece
MD06-SDNC-AD-12B	4-way Single 12 volt with 3/4 o-ring ports	\$1054.40
MOUNTING BRACKETS FOR ABOVE VALVE:		
K-707871	For Single Valve Kit	50.18
K-707872	For Two Valve Kit	51.48
K-707873	For Three Valve Kit	83.02
K-707874	For Four Valve Kit	....
K-707875	For Five Valve Kit	77.55
MS06-UDNA-12B	Double Selector 12 volt with 9/16 o-ring ports	537.47
493419	12 Volt coil for MD & MS	274.19

Solenoid Control Valves

PRODUCT FEATURES:
No back pressure - 12 Volt
Direct Solonoid Operator
Maximum Operation PSI 3600
3 Position 4-way valves with neutral valves
comes with bolt kit and o-rings but not subplate.



Part Number	GPM / Description	Price Per Piece
FREE WHEELING FOR MOTORS		
SSG03-C4-R-C115-E20	20	\$469.29
SSG03-C4-R-D1-E 20	20	440.92
CLOSED CENTER		
SSG03-C5-R-D1-E 10	20	488.93
TANDEM VALVE (Open Center - Cylinder Ports Blocked)		
SSG03-C7Y-R-D1-E 10	13	427.92
SSG03-C7Y-R-D1-E 22	20	427.92
SUBPLATE SIDE PORTS - 3500 PSI - ALUMINUM		
A-D03-SPS-6S	9/16-18 Side Ports SS-G01	\$90.26
A-D05-SPS-8S	3/4-16 Side Ports SS-G03	119.14

Fasse - Utility On/Off Control Kit

FEATURES:

- Up to 18 GPM
- 1820 normally closed flow path is opened when coil is energized
- 1821 normally open flow path is blocked when coil is energized
- Available in 40 GPM model, 700-1840 N/C or 700-1841 N/O
- Valve mounts on tractor or implement
- Easy installation
- 3000 PSI rated

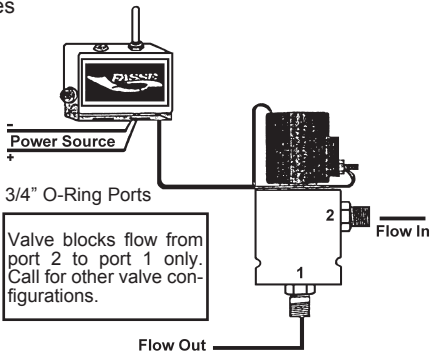
OPTIONS:

- 12 volt positive ground coils • 24 volt negative ground coils

NOTE: 700-1840 and 700-1841 have 1-1/16 o-ring thread

STANDARD 700-1820 KIT (SHOWN)

- On/off normally closed control valve
- Toggle switch box with mounting bracket
- 12' wiring harness, 6' power wires
- 3/4" o-ring fittings
- 12 volt negative ground coils
- Fuse kit, connectors, wire ties
- Installation and operation guide



Description	Part Number	Price Per Piece
Remote Normally Closed On/Off Series	700-1820	\$313.14
Remote Normally Open On/Off Series	700-1821	\$377.98
Remote Normally Closed On/Off Series	700-1840	\$366.91
Remote Normally Open On/Off Series	700-1841	\$347.03

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Fasse Valves - 2 Circuit Selector

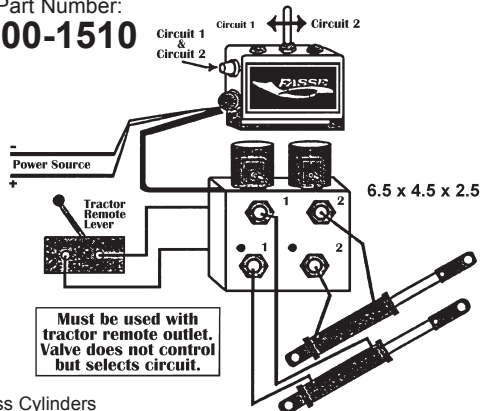
2 SPOOL VALVE WITH SWITCH - 3/4-16 O-Ring Ports

Price Per Piece:

\$956.82

Part Number:

700-1510



Less Cylinders

STANDARD 700-1510 KIT (SHOWN)

- Two Circuit Selector Valve
- Toggle Switch box with mounting bracket
- 12' wiring harness, 6' power wires
- Fasse eccentric fittings
- Fasse ISO quick couplers and tips

TYPICAL APPLICATIONS				
Loader	Marker Arms	Bat Wing Mowers	Round Balers	Box Scrapers
Bucket	Left	Right Wing	End Gate	Height
Grapple	Right	Left Wing	Bale Tie	Angle

- Colored dust plugs and caps
- 12 volt negative ground coils
- Fuse kit, connectors, wire ties
- Installation and operation guide

SPOOL SELECTOR VALVE KIT REMOTE MASTER SERIES 700-1510

FEATURES:

- Up to 20 GPM
- Operate multiple functions from one remote outlet
- Keep high pressure hydraulic lines & cables out of the cab
- Double or single acting cylinder operation
- Valve plugs directly into existing remote or may be mounted on implement
- Both circuits can be selected at the same time, lightest load moves first
- Universal, use on Open, Closed or PFC hydraulic systems
- Up to 6 circuit control available
- Easy installation
- 3000 PSI rated



Fasse Valves - 3 Circuit Selector

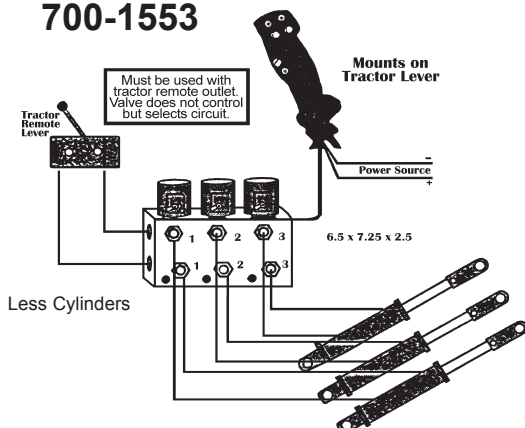
3 SPOOL VALVE WITH JOYSTICK - 3/4-16 O-Ring Ports

Price Per Piece:

\$1683.89

Part Number:

700-1553



Less Cylinders

STANDARD 700-1553 KIT (SHOWN)

- Three Circuit Selector Valve
- Remote command stick control
- 12' wiring harness, 6' power wires
- Fasse ISO quick couplers and tips
- Colored dust plugs and caps
- 12 volt negative ground coils
- Fuse kit, connectors, wire ties
- Installation and operation guide

TYPICAL APPLICATIONS				
Loader	Planter	Tool Bar	Bat Wing Mowers	Blade
Boom	Left Marker	Left Wing Fold	Right Wing	Tilt
Bucket	Lift Assist	Lift Assist	Raise/Lower	Angle
Grapple	Right Marker	Right Wing Fold	Left Wing	Raise/Lower

OPTIONS FOR STANDARD KIT:

- 12 volt positive ground coils
- 24 volt negative ground coils
- John Deere or IH couplers

SPOOL SELECTOR VALVE KIT REMOTE MASTER SERIES 700-1553

FEATURES:

- Up to 20 GPM
- Double or single acting cylinder operation
- Operate multiple functions from one remote outlet
- Universal, use on Open, Closed or PFC hydraulic systems
- Valve mounts on tractor or implement
- Allows tractor float operation on selected circuits
- Easy installation
- 3000 PSI rated



Optional Remote Command Stick

JOYSTICK FOR 2 or 3 SPOOL VALVE

Works with either 2 or 3 Circuit Selector

Price Per Piece:

\$520.32

Part Number:

300-081

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Hayden makes a wide variety of sizes and types of oil-to-air coolers. Regardless of the application - stationary or vehicular - there's a Hayden unit designed to deliver reliable cooling power. Hayden heat transfer capability is widely used as auxiliary cooling on existing equipment, as complete cooling replacements or as original equipment at the OEM stage. Any system that generates hot oils or viscous fluids needs Hayden "Cooling Power".

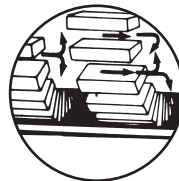
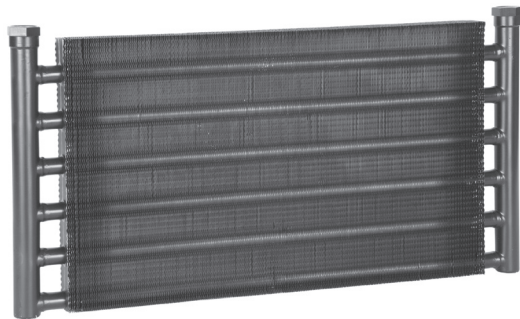
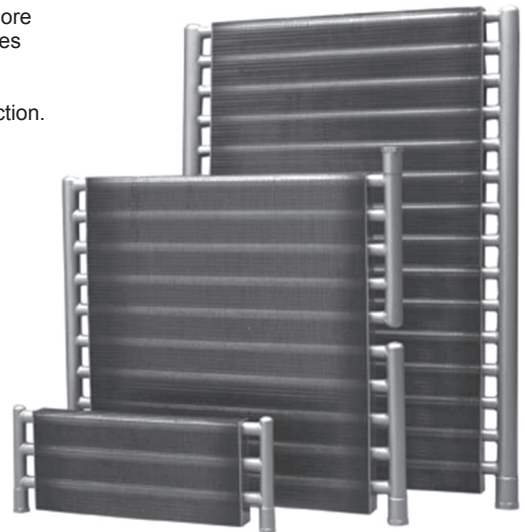
20 degrees of cooling **doubles life** of petroleum oils. Conversely, - **HEAT KILLS OIL** - by more rapidly forming oxides, waxes, varnishes, and sludges. Heat volatilizes additives. Heat reduces viscosity, causing bearing failures.

Bypass line may be added, provides temporary increased capacity and cold weather protection. Use C-1200S-65 check valve.



Standard Capacity Ratings Transcoolers

Model Number	Price Per Piece	Cooling Cap. BTU/Hr.	Max. GPM	Outside Dimensions, Inches			Fitting Size FPT	Unit Wt. Lbs.
				Height	Length	Width		
1215	\$90.96	7,110	8	4	15	1-1/2	1/2	9
1240	133.13	13,300	12	6	18	1-1/2	1/2	12
1241	190.38	21,300	16	8	21	1-1/2	1/2	14
1268	232.94	25,800	24	12	18	1-1/2	3/4	17
1260	264.73	35,200	24	12	24	1-1/2	3/4	15
1290	331.86	54,300	36	18	24	1-1/2	3/4	27
1292	468.29	72,300	48	24	24	1-1/2	1	23
2305	543.45	90,400	60	30	24	1-1/2	1	34



Inner-Swirl Action is created by uniquely designed inner-swirl fins located inside the cooler tubes. As the hot oil flows through the swirl fins, hundreds of tiny "swirlpools" swirl clockwise and then counter-clockwise at precisely tooled spiral-grooved openings. This 360° swirling action assures double heat extraction by the double turn exposure of hot oil to the cold air side of the cooler.

In cold weather environments, you need to add the following
Check Valve
Part Number:
C-1200S-65



Oil Supply Tanks

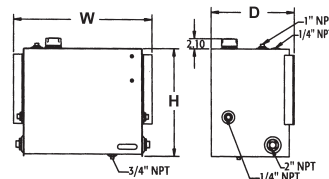
As a general recommendation you should not have a tank smaller than the GPM rating on your pump. For example: a ten gallon tank could take up to a 10 GPM pump. This would mean the oil would be completely changed each minute. The longer time the oil has to spend in the tank the more chance entrained air has of separating out and contamination particles have of setting.

Ideally the tank should be above the pump and as close as possible to the pump to cut down on line resistance to flow.

Part Number	Gallon Capacity	Tank Size Width x Height x Depth	Price Per Piece
SMR15S	15	19.58 x 17.5 x 14.5	\$558.80
SMR25S	25	22.35 x 20.0 x 16.0	623.72
SMR30S	30	28.35 x 22.0 x 17.0	814.49

Add 2.1 to height for fill cap

LDR02A 5" Sight Gauge w/Thermometer \$ 40.63



Chrome filler breather with basket strainer. Oil level gauge with temperature indicator. Interior baffle between suction and discharge. Large 2" NPT suction ports. Magnetic drain plug. Factory powder coated.

Prices subject to change without notice. **ASK FOR QUANTITY DISCOUNT**

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INLINE CHECK VALVES

- Carbon steel body
- Designed to provide flow in one direction
- Operating temp range -20°F through 210°F



Sequence #	Model #	Port Size	Max PSI	Max Flow	Shipping Weight	List Price
802039	WCV-400	1/4" NPTF	5,000 PSI	5 GPM	0.3	52.86
802040	WCV-600	3/8" NPTF	5,000 PSI	8 GPM	0.5	....
802041	WCV-800	1/2" NPTF	5,000 PSI	15 GPM	0.7	68.95
802042	WCV-1200	3/4" NPTF	3,000 PSI	25 GPM	1.5	....
802043	WCV-1600	1" NPTF	3,000 PSI	40 GPM	2.5	147.09

BALL VALVES FOR HYDRAULIC USE

Two Piece Design Ball Valve with
Pipe Threaded Ends and Removable Handle



Pipe Thread Size Ins.	Ball Valve Number	Price Per Piece
--------------------------	----------------------	--------------------

GRINNELL - 600 PSI - CAST BRASS

1/4	171N	\$....
3/8	171N	....
1/2	171N	....
3/4	171N	72.83
1	171N	87.04
1-1/4	171N	....
1-1/2	171N	231.24
2	171N	190.19



Port Size	Model Number	Max PSI	Price Per Piece
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WOLVERINE - 2 WAY HIGH PRESSURE BALL VALVES

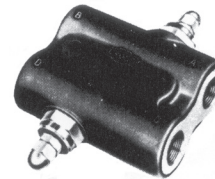
1/4 NPTF	WBV2-400	7,250 PSI	\$36.20
3/8 NPTF	WBV2-600	7,250 PSI	41.37
1/2 NPTF	WBV2-800	7,250 PSI	48.61
3/4 NPTF	WBV2-12	4,500 PSI	78.60
1 NPTF	WBV2-1600	4,500 PSI	103.42

HYDRAULIC CUSHION VALVE

USE-To eliminate or minimize shock experienced in starting and stopping hydraulic motors, and other hydraulic equipment.

When a standard control valve is returned to neutral to stop or to start a motor, or other heavy hydraulic equipment, this creates sudden excess pressure which will break seals, tear off motor shafts, burst motor cases, or burst hoses. This sudden shock cannot be relieved through the primary relief valve in the system, and a cushion valve must be installed in the two lines from control valve to motor or cylinders.

When the motor can free-wheel to a stop, a Motor Spool control valve and no cushion valve is used. When motor must hold load in position when stopped, as on a winch, a Standard 4 way control valve and a cushion valve are used.



Cross
Differential Poppet Type
Double Relief



Gresen
Ball/Spring Type Dual
Crossover Relief

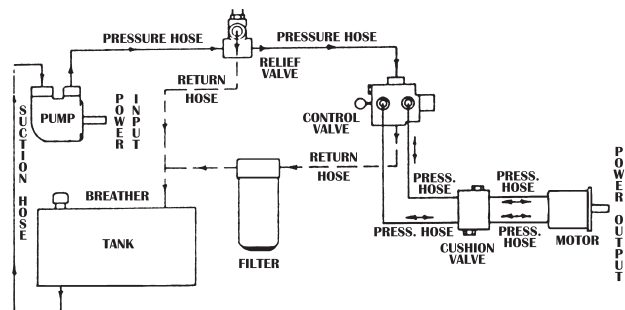
Port Size	Part Number	Maximum GPM	Setting	Price Per Piece
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CROSS - Set at 2000 PSI, Maximum 3000 PSI

3/4	RC1200DD	30	---	\$203.26
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GRESEN -

3/8	DXV-38-2000	16	2000	\$165.78
1/2	DXV-50-1800	20	1800	273.27
1/2	DXV-50-2000	20	2000	331.92
3/4	DXV-75-2000	30	2000	158.36



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MIX AND MATCH RELIEF VALVE CARTRIDGES & HOUSINGS

H13

Select the housing you need. Then pick a relief cartridge of the SAME BRAND.
DO NOT MIX BRANDS. These may be substituted for standard reliefs of the same size.

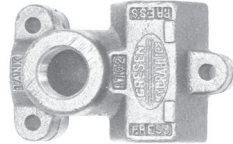
GRESEN EMPTY RELIEF HOUSINGS

Must Add Relief Cartridge

Port Size	Part Number	Style	Price Per Piece
1/2	K-WJL-50	Inline	\$159.71
3/4	K-WJL-75	Inline	102.97
3/4	K-RPL-75	Inline	237.32
1	K-RPL-100	Inline	271.60



K-WJL



K-RPL

All properly designed hydraulic systems MUST contain a main system relief valve. Whether simple or complex, hydraulic systems are too expensive to run without a relief valve. REMEMBER THE RELIEF.

GRESEN RELIEF CARTRIDGES

Cartridge Only, No Housing

GRESEN®

Part Number	Std. Setting PSI	Adjusted Pressure Range PSI	GPM Rating	Fits Housing	Price Per Piece
DIFFERENTIAL POPPET RELIEF - ADJUSTABLE WITH SHIMS					
K-WH-A	Converts WH Series to Screw Adjustable				\$55.99
WH-500	500	500-1350	20	K-WJL	57.76
WH-1000	1000	1000-1550	20	K-WJL	83.40
WH-1200	1200	500-1350	20	K-WJL	79.98
WH-1700	1750	1351-1750	20	K-WJL	79.98
WH-1950	2200	2001-2600	20	K-WJL	83.40
WH-2550	2500	2001-2600	20	K-WJL	114.64
WH-3000	3000	2500-3000	20	K-WJL	79.98

BALL & SPRING RELIEF - SCREW ADJUSTABLE

KC-HP-2000	2000	1401-2500	20	K-RPL	242.34
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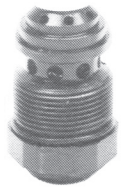
PILOT RELIEF - SCREW ADJUSTABLE

RP-60A-2500	2500	500-3500	60	K-RPL	450.43
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PARTS FOR HYDRAULIC RELIEF VALVES

Seal Kit for WH Valves

K-19003	For Valve No.:	WH Relief Seal Kit	0.92
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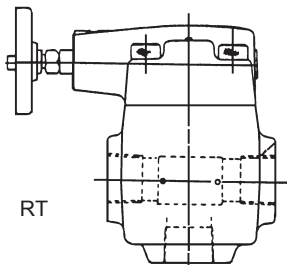
WH



RP60A
KC-HP

Pilot Operated Relief

USE - For large capacity hydraulic systems to maintain close control over the maximum operating pressure.



RT

**INLINE STYLE - RT-BAUM
ARE KNOB ADJUSTABLE TYPE**

Pressure Set at: 1500 PSI
Adjustable Pressure Range: 500-3000 PSI

Port Size	Part Number	Brand	Relief Port Cap GPM	Price Per Piece
3/4 NPT	RT-06-3-E20	Baum	60	\$481.69
1-1/4 NPT	RT-10-3-E20	Baum	120	481.69

All properly designed hydraulic systems MUST contain a main system relief valve. Whether simple or complex, hydraulic systems are too expensive to run without a relief valve. REMEMBER THE RELIEF.

CUSHION VALVE CARTRIDGES and HOUSINGS

Select the housing you need. Then pick two (2) relief cartridge of the SAME BRAND. DO NOT MIX BRANDS.

GRESEN EMPTY CUSHION VALVE HOUSINGS

Must Add (2) Relief Cartridges

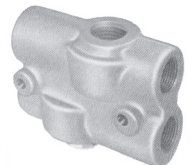
Port Size	Part Number	Max. GPM Flow	Price Per Piece
1/2	K-DWV-50	20	\$163.32
3/4	K-DWV-75	30	163.32

RP-51A CANNOT be used in the DWV Cushion Valve.

GRESEN CARTRIDGES for CUSHION VALVES

Cartridge Only, No Housing

Port Size	Part Number	Use Housing	Price Per Piece
1/2	WH Series	order (2) cartridges above	\$57.76
3/4	WH Series	order (2) cartridges above	57.76



WH

TO MAKE CUSHION VALVES USING CARTRIDGES

Port Size	Part Number	Use Relief Cartridges	Use Housing	PSI
1/2	DWV-50-A-2000	(2) WH-2000	K-DWV-50	2000
1/2	DWV-50-A-2500	(2) WH-2500	K-DWV-50	2500
3/4	DWV-75-A-2000	(2) WH-2000	K-DWV-75	2000
3/4	DWV-75-A-2500	(2) WH-2500	K-DWV-75	2500

NOTE: Gresen does not recommend pressures in excess of 2000 PSI with pipe thread.

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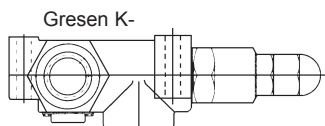
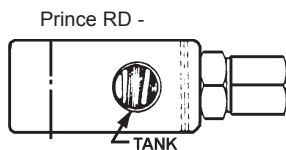
COMPLETE HYDRAULIC RELIEF VALVES

A relief valve must be installed in the hydraulic system with each one of these pumps to prevent exploding the pump, damaging the equipment, or bursting the hose.

For the correct working position for the various parts of a hydraulic system, see the diagrams on this page.

Ball and Spring Type

USE - For fast-acting and occasional relief.



Commercial DVLR-

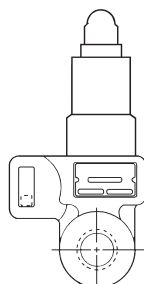
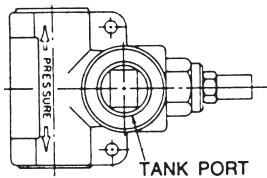
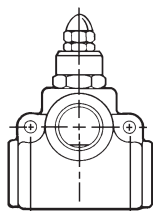
INLINE STYLE - ALL ARE SCREW ADJUSTABLE TYPE

Port Size	Part Number	Brand	Relief Port Cap GPM	Pressure Set at PSI	Adjustable Pressure Range PSI	Price Per Piece
1/2	RD1850H	Prince	20	1500	1000-2500	\$119.51
3/4	RD1875H	Prince	24	1500	1000-2500	99.29
3/4	WJL-75-A-2000	Gresen	24	2000	1201-2500	171.96
3/4	WJL-75-A-1250	Gresen	30	1200	1250-1749	164.76
3/4	K-75-HP	Gresen	38	1500	1401-2000	566.86
1	K-100-HP	Gresen	38	1500	1401-2000	607.39
1 NPT	DVLR-64	Commercial	60	2000	2000-2500	404.70

Differential Poppet Type

USE - Where you need a continuous acting relief.

These are quiet and smooth acting.



Cross RD-

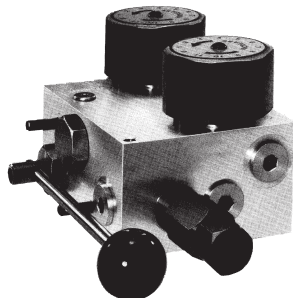
Prince RV -

Gresen WJL-

INLINE STYLE - SCREW ADJUSTABLE TYPE

Port Size	Part Number	Brand	Relief Port Cap GPM	Pressure Set at PSI	Adjustable Pressure Range PSI	Price Per Piece
1/2	RV-4H	Prince	20	2000	1500-3000	\$96.18
1/2	WJL-50-A-1250	Gresen	20	1250	1250-1749	158.36
1/2	WJL-50-A-2200	Gresen	20	2000	2000-2599	158.36
3/4	RD12B	Cross	30	1000	500-1500	112.00
3/4	RD12D	Cross	30	2000	1500-3000	112.00
3/4	WJL-75-A-1250	Gresen	25	1250	1250-1749	164.76
3/4	RV-2H	Prince	30	2000	1500-3000	96.18
3/4	WJL-75-A-2200	Gresen	25	2000	2000-2599	171.96

SAND SPREADER VALVE



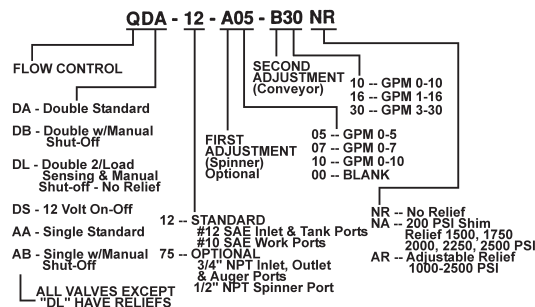
MANUAL ON - OFF

Dual Flow Regulator Valve with on-off and Relief.

Working Pressure 2000 PSI Set at 1500 PSI

SAE O-Ring Boss Ports

Part Number	Auger Port	Spreader Port	Price Per Piece
QDB-12-A07B16AR	7	16	\$....
QDB-12-A10B30AR	10	30	667.51



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FLOW CONTROL VALVES

H15

USE - To Control Speed of Motors & Cylinders Excess Flow Can Be Used

This valve will start and stop a hydraulic motor or cylinder and vary the speed smoothly over the full range. Once the speed is set with the lever it will remain constant regardless of load variation.

PRINCE FLOW CONTROL VALVE WITH NO RELIEF

Max. 3000 PSI - Lever Adjustment - Wt. 7 Lbs.

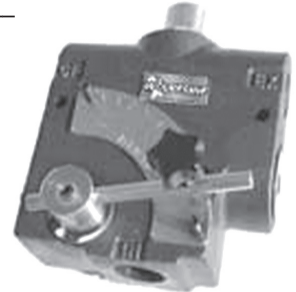
Port Size	Part Number	Max Adj. Flow GPM	Price Per Piece
3/8	RD137-8	8	\$143.14
1/2	RD150-16	16	198.57
3/4	RD175-30	30	203.74

PRINCE FLOW CONTROL VALVE WITH ADJUSTABLE RELIEF

Max. 3000 PSI - Lever Adjustment - Wt. 8 Lbs.
Set @ 1500 PSI in controlled flow.

Port Size	Part Number	Max Adj. Flow GPM	Price Per Piece
1/2	RDRS150-16	16	\$220.29
3/4	RDRS175-30	30	225.46

Prince



WOLVERINE ADJUSTABLE FLOW CONTROL VALVES

Part Number	Description	Cross Reference	Price Per Piece
W-1950-16	1/2 NPTF Ports (O-16 GPM No Relief)	FC51-1/2	\$118.94
W-1975-30	3/4 NPTF Ports (O-30 GPM No Relief)	FC51-3/4	\$118.94
WR-1950-16	1/2 NPTF Ports (O-16 GPM W/Relief)	FCR51-1/2	\$128.24
WR-1975-30	3/4 NPTF Ports (O-30 GPM W/Relief)	FCR51-3/4	\$128.24



FLOW DIVIDERS

FLOW DIVIDER-COMBINER - Max. 2500 PSI

These valves not only divide flow, but also combine flow in reverse direction.

Port Size	Part Number	Flow Range	Price Per Piece
1/2	PDC-50-50	5-25	\$458.55
3/4	PDC-75-50	15-35	263.13

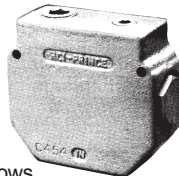
GRESEN



PRINCE FLOW DIVIDER - COMBINER

1/2	RD1550.062	2-3	\$....
1/2	RD1550.078	3-8	287.72
1/2	RD1550.140	8-16	287.72
3/4	RD1575.187	12-20	287.72

Prince



FLOW DIVIDER- PROPORTIONAL

Operates in One Direction ONLY.

USE - Flow divider must be between pump & control valve. To divide a single flow of all into TWO EQUAL FLOWS, even through work being done by one of the flows is greater than the other. A filter must be used with this flow divider. Cross drilled shifting type spool provides very accurate metering. 3 mounting holes. Max. pressure 2500 PSI

Port Size	Part Number	Flow Range	Price Per Piece
-----------	-------------	------------	-----------------

GRESEN FLOW DIVIDER - PROPORTIONAL

1/2	PD-50-50	5-25	\$215.95
3/4	PD-75-50	15-35	215.95

PRINCE FLOW DIVIDER - PROPORTIONAL

1/2	RD250-16	8-16	\$180.99
3/4	RD275-30	16-30	134.14

PRINCE FLOW DIVIDER - PROPORTIONAL with Reverse Free Flow

1/2	RD350-16	8-16	\$189.47
3/4	RD375-30	16-30	182.14

GRESEN - ADJUSTABLE FLOW CONTROL DIVIDER

2500 PSI - WT. 8 LBS. - EXCESS FLOW CANNOT BE USED.

USE - To control speed of motors or cylinders in both directions. Very fine adjustment possible. Valve is pressure compensated in forward direction ONLY.

GRESEN

Port Size	Part Number	Flow Range	Price Per Piece
1/2	CFDA-50	0-15 GPM	\$359.52
3/4	CFDA-75	0-15 GPM	359.52



CF=Controlled flow work port EF=Excess flow to tank ONLY P=Oil from pump

PRIORITY DIVIDER - FLOW DIVIDER for POWER STEERING

USE - To divide one flow of oil into one constant volume flow and another excess volume flow regardless of pump speed or pressure. For use for power steering or other applications where two separate power circuits are to be served from one pump. A filter must be used with this flow divider.

Part Number	Constant Flow	Capacity GPM	Price Per Piece
-------------	---------------	--------------	-----------------

PRINCE 1/2" INLET & EXCESS 1/2" CONSTANT 3/8"

TANK PORT ADJUSTABLE RELIEF SET 1500 PSI

RD450R-4	4 GPM	30 GPM	\$....
RD450R-6	6 GPM	30 GPM	168.58
RD450R-8	8 GPM	30 GPM	168.58

Prince



PRINCE 3/4" INLET & EXCESS 3/4" CONSTANT 1/2"

TANK PORT ADJUSTABLE RELIEF SET 1500 PSI

RD405R-4	4 GPM	30 GPM	\$198.89
RD405R-6	6 GPM	30 GPM	160.41
RD405R-8	8 GPM	30 GPM	160.41

GRESEN

GRESEN FLOW DIVIDERS

Gresen 1-1/16 all ports except relief 3/4 o-ring 3500 PSI valve

DC25A-12	ADJ.	30 GPM	\$301.52
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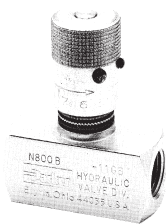
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FLOW CONTROL VALVES

Controlled flow in ONE direction. Free flow in reverse.



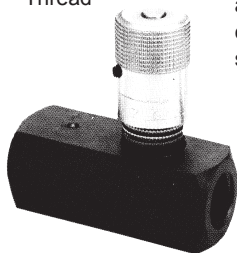
MANATROL N SERIES WITH COLOR FLOW

Made of Steel. Max. 3000 PSI

Size	Part Number	Max. Flow @ 1000 PSI	Price Per Piece
1/4	N-400-S	5	\$79.36
3/8	N-600-S	8	103.48
1/2	N-800-S	15	131.41
3/4	N-1200-S	25	79.18
1	N-1600-S	40	....



Pipe
Thread



PARKER SERIES F LINE-MOUNTED FLOW CONTROL VALVES

Precisely controlled flow and shut-off in one direction, free flow in reverse. Two-step needle to give fine adjustments for low flows in the first three turns and conventional throttling in the last three turns. Has a set screw to lock valve settings.

Size	Parker Part Number	Max. Flow	Price Per Piece
1/4	F-400-S	5	\$41.96
3/8	F-600-S	8	53.46
1/2	F-800-S	15	144.19
3/4	F-1200-S	25	121.57
1	F-1600-S	40	275.44



WOLVERINE BY PRINCE FLOW CONTROL VALVES

Inline in sizes from 1/8" to 1" Flows of 4 to 40 GPM- Maximum pressure of 3,000 PSI. Patented "Colorflow" adjustment reference. Made of Steel.

Size	Precise Part Number	Max. Flow	Price Per Piece
1/4	WFC-400	5	\$48.61
3/8	WFC-600	8	51.71
1/2	WFC-800	15	63.09
3/4	WFC-1200	25	123.07
1	WFC-1600	40	232.98

NEEDLE & SHUT-OFF VALVE

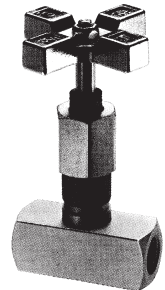
Controlled Flow in BOTH Directions

USE - Throttling and shut-off valves suitable for speed control of cylinders and motors.

MANATROL MV SERIES WITH COLOR FLOW

Made of Steel. Max. 3000 PSI

Size	Part Number	Max. Flow @ 1000 PSI	Price Per Piece
1/4	MV-400-S	5	\$43.31
3/8	MV-600-S	8	63.61
1/2	MV-800-S	15	....
3/4	MV-1200-S	25	127.91
1	MV-1600-S	40	458.02



WOLVERINE BY PRINCE IN-LINE NEEDLE VALVE

Carbon Steel Body.

Designed to provide precision flow control.

Operating temp range -20°F through 210°F

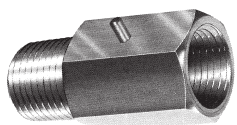


Port Size	Part Number	Max. PSI	Max Flow	Price Per Piece
1/4 NPTF	WNV-400	5,000 PSI	5 GPM	\$40.33
3/8 NPTF	WNV-600	5,000 PSI	8 GPM	54.81
1/2 NPTF	WNV-800	5,000 PSI	16 GPM	69.29
3/4 NPTF	WNV-1200	3,000 PSI	25 GPM	122.04
1 NPTF	WNV-1600	3,000 PSI	40 GPM	243.25

GRESEN LINE THROTTLE VALVES NON-ADJUSTABLE FLOW - One Way Line Throttle

USE - To regulate maximum speed of cylinders in one direction. ECONOMY TYPE.

Restricts the flow in one direction, full flow in opposite direction. Will operate satisfactorily in any position. 1/2" pipe thrd. male & female outlets, 2-1/8" long. Plastic ball has drilled orifice.



Part Number	Thread Size Inches	Plastic Ball Color	Restricted Capacity GPM at 1000 PSI	Approx. Size Orifice in Restrictor Inch	Price Per Piece
LT-50-4	1/2	Brown	1	1/32	\$180.73
LT-50-6	1/2	Purple	3	1/16	206.76
LT-50-9	1/2	Red	5	3/32	43.93
LT-50-12	1/2	Yellow	11	1/8	148.93
LT-50-15	1/2	Green	14	5/32	42.33

GRESEN LINE THROTTLE VALVES

Part Number	Thread Size Inches	Plastic Ball Color	Restricted Capacity GPM at 1000 PSI	Approx. Size Orifice in Restrictor Inch	Price Per Piece
LT-10-0	7/8	Neutral	Check	None	\$
LT-50-0	1/2	Neutral	Check	None	206.76
LT-75-00	3/4	Neutral	Check	None	84.70

GRESEN CHECK VALVES

ALSO AVAILABLE IN 3/4 O-RING THREAD

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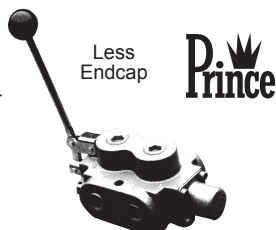
HYDRAULIC SELECTOR VALVES

H17

DOUBLE SELECTOR VALVE - USE - To operate two sets of double-acting cylinders one at a time with one 4-way (double-acting) control valve. This valve is used where one double-acting cylinder is on the front and one is on the rear of the tractor, and both are operated by the same control valve. Also use this valve to add another double-acting cylinder on a tractor where you want to use the existing control valve to operate both double cylinders separately.

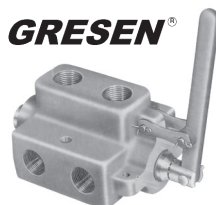
PRINCE - Max. Pressure 2500 PSI

Port Size	Part Number	Capacity GPM	Price Per Piece
1/2	DS-1A1E	20	\$266.83
3/4	DS-4A1E	30	266.83
Push Knob 670400029			
5/16-18 Thread			14.36



GRESEN - Max. Pressure 2500 PSI

Port Size	Part Number	Capacity GPM	Price Per Piece
3/4	DS75	24	\$418.36
O-Ring Thread Max. Pressure 3000 PSI			
1-1/16	DS12	24	225.54



CROSS - Max. Pressure 2500 PSI *

Port Size	Part Number	Capacity GPM	Price Per Piece
1	SD4BALA6	40	\$261.24
Cross Selector Valve Linkage Kit			
1-1/16	1V1730	--	12.33

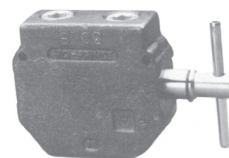


* Spool Cap not included with valve.

SINGLE SELECTOR VALVE - USE - To operate two control valves from one pump or, to operate separately two single-acting cylinders from one control valve. This hydraulic selector valve is particularly useful on tractors with a backhoe mounted on the rear and a loader, dozer or snowplow on the front. The selector valve can be mounted between the pump and two groups of control valves. This allows you to direct the flow either to the control valves for the loader in front or to the control valves for the backhoe in the rear.

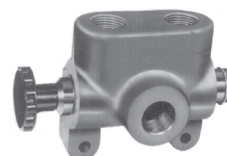
PRINCE - Max. Pressure 3000 PSI

Port Size	Part Number	Capacity GPM	Price Per Piece
1/2	RD950	20	\$156.90
3/4	RD975	30	217.19



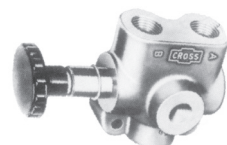
GRESEN - Max. Pressure 2000 PSI

Port Size	Part Number	Capacity GPM	Price Per Piece
1/2	S50	15	\$234.61
3/4	S75	24	147.70
1	S100	40	449.73



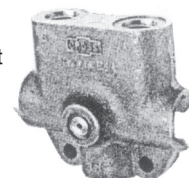
CROSS - Max. Pressure 2500 PSI

Port Size	Part Number	Capacity GPM	Price Per Piece
1/2	VS2BKLF2	20	\$95.75
3/4	VS4BKLF6	40	158.48



Marker Valve For Planters Sequence Valve

PRODUCT FEATURES: This is an excellent valve for operating planter markers. Both markers will raise together, but only one marker will drop. This process will alternate between markers.



Part Number	Ports	PSI Rating	Weight	Price Per Piece
SQV	3/4 O-ring	2500	6 lbs.	\$199.20

PRESSURE LOCK VALVES ELIMINATES CYLINDER CREEP

For Use With Double-Acting 4-way Valves ONLY

USE - To lock a cylinder in position and prevent its movement due to leakage or slippage when the control valve is in neutral position.

* NOTE: 7/8 is o-ring ports

DOUBLE ACTING - To Lock in BOTH DIRECTIONS with a 4-way Valve

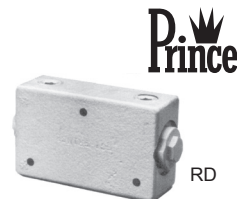
GRESEN 2500 PSI - DOUBLE ACTING

Port Size	GRESEN Part Number	Max GPM Flow	Price Per Piece
1/2	LO-50-D	25	\$410.56
7/8	LO-10-D	30	474.55



PRINCE 2500 PSI - DOUBLE ACTING

Port Size	PRINCE Part Number	Max GPM Flow	Price Per Piece
1/2	RD1450	30	\$249.25
3/4	RD1475	30	249.25



SINGLE ACTING - To Lock in ONE DIRECTION ONLY with a 4-way Valve

GRESEN 2500 PSI - SINGLE ACTING

Port Size	GRESEN Part Number	Max GPM Flow	Price Per Piece
1/2	LO-50-S	25	\$420.10



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LARGE HYDRAULIC RETURN LINE PAPER ELEMENT A LARGE SIZE FULL-FLOW IN-LINE FILTER

USE - Install in return line between the control valve and the tank.

This full flow filter has a built-in by-pass valve which opens automatically when filter is clogged or overloaded. Dial indicator tells when filter is dirty.
Filter element easily removed for replacement. Install filter at high point of system. Filter gives full-flow filtration until clogged with dirt.



**GRESEN
ASSEMBLY
1-1/4" PIPE
SPIN-ON**



**BAUM
ASSEMBLY
1-1/4" OR 1" PIPE
SPIN-ON**



**BAUM
ASSEMBLY
1-1/2" PIPE
SPIN-ON**

GRESEN Number	GPM	Our Sequence Number	Price Per Piece	BAUM Number	1" Our Sequence Number	GPM	1-1/4" Sequence Number	1" and 1-1/4" Price Per Piece	BAUM Number	1-1/2" Our Sequence Number	1-1/2" Price Per Piece
------------------	-----	---------------------------	--------------------	----------------	------------------------------	-----	------------------------------	-------------------------------------	----------------	----------------------------------	------------------------------

FILTER ASSEMBLIES WITHOUT GAUGE PORTS

With FINE 10 Micron Paper Element

FSP212-1EDNH	65	345280	\$93.01	FSP212-1EDNN	Y94836	62	Y94864	\$81.69	62	Y94920	\$104.33
-----	--	----	----	FSP212-1EDNN Long	Y94838	70	Y94866	93.46	70	Y94922	116.10

With FINE 10 Micron Water Absorbing Paper Element

-----	--	----	----	FSP212-1EDNN-AZ Lg.	Y94840	28	Y94868	101.11	28	Y94924	123.74
-------	----	------	------	---------------------	--------	----	--------	--------	----	--------	--------

With COARSE 25 Micron Paper Element

FSP212-1JDNH	75	345310	93.01	FSP212-1JDNN	Y94842	70	Y94870	86.02	70	Y94926	108.65
-----	--	----	----	FSP212-1JDNN Long	Y94844	70	Y94872	84.41	78	Y94928	107.04

With EXTRA FINE 3 Micron Paper Element

FSP212-1ADNN	45	----	----	FSP212-1ADNN	Y94846	35	Y94874	62.94	35	Y94930	85.58
-----	--	----	----	FSP212-1ADNN Long	Y94848	40	Y94876	93.34	40	Y94932	115.97

With EXTRA FINE 3 Micron Water Absorbing Paper Element

-----	--	----	----	FSP212-1ADNN-AZ Lg.	Y94850	12	Y94878	104.73	12	Y94934	127.36
-------	----	------	------	---------------------	--------	----	--------	--------	----	--------	--------

FILTER ASSEMBLIES WITH GAUGE PORTS

With FINE 10 Micron Paper Element

FSP212-1EDNA	65	----	----	FSP212-1EDNAC	Y94986	62	Y95014	85.19	62	Y95070	111.59
-----	--	----	----	FSP212-1EDNAC Long	Y94988	70	Y95016	96.96	70	Y95072	123.37

With FINE 10 Micron Water Absorbing Element

-----	--	----	----	FSP212-1EDNAC	Y94990	28	Y95018	104.60	28	Y95074	131.01
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With COARSE 25 Micron Paper Element

FSP212-1JDNA	75	----	----	FSP212-1JDNAC	Y94992	70	Y95020	89.51	70	Y95076	115.92
-----	--	----	----	FSP212-1JDNAC Long	Y94994	70	Y95022	87.90	78	Y95078	114.31

With EXTRA FINE 3 Micron Paper Element

FSP212-1ADNA	45	----	----	FSP212-1ADNAC	Y94996	35	Y95024	66.44	35	Y95080	92.85
-----	--	----	----	FSP212-1ADNAC Long	Y94998	40	Y95026	96.83	40	Y95082	123.24

With EXTRA FINE 3 Micron Water Absorbing Paper Element

-----	--	----	----	FSP212-1ADNAC-AZ Lg.	Y95000	12	Y95028	108.22	12	Y95084	134.63
-------	----	------	------	----------------------	--------	----	--------	--------	----	--------	--------

FILTER HEADS ONLY

Without Gauge Ports

-----	----	SF-100-25-0	501141	35.11	-----	----	----
-----	----	SF-120-25-0	501150	39.79	SF-150-25-0	501200	62.42

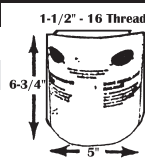
With Gauge Ports

-----	----	SF-100-25-1 & 3	501143	44.87	-----	----	----
-----	----	SF-120-25-1 & 3	501155	43.28	SF-150-25-1&3	501205	69.69

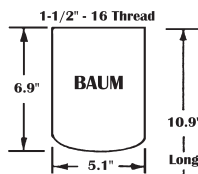
REPLACEMENT ELEMENTS

Fine 10 Micron Element

Standard	-----
Extra Long	-----
Water Absorbing	-----



SE-10	501045	41.90
LE-10	501050	53.67
LE-10AZ	501055	61.32



SE-10	501045	41.90
LE-10	501050	53.67
LE-10AZ	501055	61.32

Coarse 25 Micron Element

Standard	K-23019	345800	38.24
Extra Long	-----	----	----

SE-25	501060	46.23
LE-25	501065	44.62

SE-25	501060	46.23
LE-25	501065	44.62

Extra Fine 3 Micron Element

Standard	K-23020	345820	17.60
Extra Long	-----	----	----
Water Absorbing	-----	----	----

SE-3	501070	23.16
LE-3	501075	53.55
LE-03AZ	501080	64.94

SE-3	501070	23.16
LE-3	501075	53.55
LE-03AZ	501080	64.94

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MEDIUM HYDRAULIC RETURN LINE PAPER ELEMENT OR WASHABLE SCREEN FILTER

H19

AN ECONOMY MEDIUM SIZE RETURN-LINE FILTER

USE - Install in return line between the control valve and the tank.

This full flow filter has a built-in by-pass valve which opens automatically when filter is clogged or overloaded. Dial indicator tells when filter is dirty. Filter element easily removed for replacement. Install filter at high point of system. Filter gives full-flow filtration until clogged with dirt.



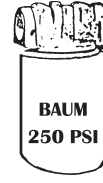
**GRESEN
ASSEMBLY
3/4" PIPE
SPIN-ON**

GRESEN
Number GPM Our
Sequence
Number Price
Per Piece



**BAUM
ASSEMBLY
1/2" OR 3/4" PIPE
SPIN-ON**

1/2" 3/4"
Our Sequence Sequence
Number GPM Number Price
Per Piece



**BAUM
ASSEMBLY
1" PIPE
SPIN-ON**

GPM Our
Sequence
Number Price
Per Piece

FILTER ASSEMBLIES WITHOUT GAUGE PORTS

With FINE 10 Micron Paper Element

FSP107-1EDNN	23	344860	\$100.62	FSP107-1EDNN	Y94500	18	Y94520	\$54.23	18	Y94540	\$57.14
-----	--	....		FSP107-1EDNN Long	Y94502	25	Y94522	71.96	25	Y94542	74.87

With FINE 10 Micron Water Absorbing Paper Element

-----	--		FSP107-1EDNN-AZ	Y94504	7	Y94524	56.77	7	Y94544	59.68
-------	----	------	--	-----------------	--------	---	--------	-------	---	--------	-------

With COARSE 33 Micron or 25 Micron Paper Element

FSP107-1LDNN	27	344890	45.29	FSP107-1LDNN	Y94506	25	Y94526	46.91	25	Y94546	49.82
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With EXTRA FINE 3 Micron Paper Element

-----	--	FSP107-1ADNN-AZ	Y94508	10	Y94528	87.10	10	Y94548	90.02
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FILTER ASSEMBLIES WITH GAUGE PORTS

With FINE 10 Micron Paper Element

FSP107-1EDNA	23		FSP107-1EDNAC	Y94610	18	Y94630	47.43	18	Y94650	52.04
-----	--	....		FSP107-1EDNAC Long	Y94612	25	Y94632	65.17	25	Y94652	69.77

With FINE 10 Micron Water Absorbing Paper Element

-----	--		FSP107-1EDNAC-AZ	Y94614	7	Y94634	49.97	7	Y94654	54.58
-------	----	------	--	------------------	--------	---	--------	-------	---	--------	-------

With COARSE 33 Micron or 25 Micron Paper Element

FSP107-1LDNA	27		FSP107-1LDNAC	Y94616	25	Y94636	40.12	25	Y94656	44.72
--------------	----	------	--	---------------	--------	----	--------	-------	----	--------	-------

With EXTRA FINE 3 Micron Water Absorbing Paper Element

-----	--		FSP107-1ADNAC-AZ Lg.	Y94618	10	Y94638	80.31	10	Y94658	84.91
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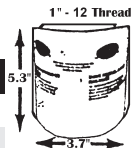
FILTER HEADS ONLY

Without Gauge Ports

....	ZAF-05-50-0	501260	24.09
....	ZAF-07-25-0	501275	30.78
....	ZAF-10-25-0	501285	33.70

With Gauge Ports

....	ZAF-05-50-1 & 3	501262	25.96
....	ZAF-07-25-1 & 3	501280	23.99
....	ZAF-10-25-1 & 3	501290	28.60



REPLACEMENT ELEMENTS

Fine 10 Micron Element

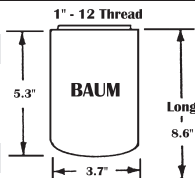
Standard	K-22001	345570	32.50	AE-10	501005	23.44
Extra Long	-----	....		AE-10L	501010	41.17
Water Absorbing	-----		AE-10AZ	501015	15.30

Coarse 25 Micron Element

Standard	K-22002	345600	17.74	AE-25	501020	16.12
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Extra Fine 3 Micron Element

-----			AE-03AZL	501000	56.31
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HOW TO INSTALL FILTERS

Buy filters with an extra element. Install and operate filter for one hour to clean the oil, then change element. Install filter upright in high point of system. With Gresen filters, install casting first, then attach bottom allowing 1 inch clearance. Find arrow on casting for correct flow direction. Follow enclosed instructions to install and adjust dial indicator.

Install with the lower surface of the filter head casting above reservoir oil level so that when the filter housing is removed oil supply in reservoir will not drain.

Paper Element will filter three times as thoroughly as the Wire Cloth Element. Install filter at high point of the system.

GASKETS & SEALS for LARGE GRESEN FILTERS

Description	Part Number	O.D.	x	I.D.	x	Thickness	x	Height	Our Sequence Number	Price Per Piece
Gasket for FSP212 Series Filter	11872-001	5/16	x	4-17/32	x	1/4	x	5/16	360595	\$1.50
Flat Center Post Seal Between Can & Center on Bottom	1575-001	3-3/4	x	1-3/4	x	1	x	1/16	359500	7.78
Large Square Cut Housing Seal Between Can & Head	1576-001	4-3/4	x	4-3/8	x	3/16	x	1/4	359520	16.17

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H2O

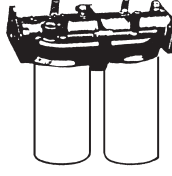
LARGE HYDRAULIC RETURN LINE PAPER ELEMENT A LARGE SIZE FULL-FLOW IN-LINE FILTER

USE - Install in return line between the control valve and the tank.

This full flow filter has a built-in by-pass valve which opens automatically when filter is clogged or overloaded. Dial indicator tells when filter is dirty. Filter element easily removed for replacement. Install filter at high point of system. Filter gives full-flow filtration until clogged with dirt.

**BAUM ASSEMBLY SPIN-ON
SIDE-BY-SIDE****200 PSI**
2" Split Flange & 1-1/2"
Pipe Thd. Combination

BAUM Number	GPM	Our Sequence Number	Price Per Piece
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**BAUM ASSEMBLY SPIN-ON
MODULAR LINE****200 PSI**
2" Split Flange & 1-1/2"
Pipe Thd. Combination

BAUM Number	GPM	Our Sequence Number	Price Per Piece
-------------	-----	---------------------------	--------------------

**GRESEN ASSEMBLY SPIN-ON
DROP-IN****200 PSI**
1-1/2" Split Flange & 1-1/4"
NPTF Combination

GRESEN Number	GPM	Our Sequence Number	Price Per Piece
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FILTER ASSEMBLIES WITHOUT GAUGE PORTS**With FINE 10 Micron Paper Element**

FSP415-5EDNNK	108	Y95136	\$....
FSP415-5EDNNK Long	110	Y95138

FSP615-5EDNNK	128	Y95268	\$179.45
FSP615-5EDNNK Long	138	Y95270	202.99

----	--	\$....
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With FINE 10 Micron Water Absorbing Element

FSP415-5EDNNK-LAZ	38	Y95140
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FSP615-5EDNNK-LAZ	40	Y95272	218.29
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With COARSE 25 Micron Paper Element

FSP415-5LDNNK	115	Y95142
FSP415-5LDNNK Long	130	Y95144

FSP615-5LDNNK	132	Y95274	188.10
FSP615-5LDNNK Long	142	Y95276	184.88

FLR215-9LDNH	84	345180	....
----	--	

With EXTRA FINE 3 Micron Paper Element

FSP415-5ADNNK	85	Y95146	....
FSP415-5ADNNK Long	90	Y95148

FSP615-5ADNNK	95	Y95278	141.96
FSP615-5ADNNK Long	105	Y95280	202.74

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With EXTRA FINE 3 Micron Paper Water Absorbing Element

FSP415-5ADNNK-LAZ	25	Y95150
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FSP615-5ADNNK-LAZ	30	Y95282	225.53
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FILTER ASSEMBLIES WITH GAUGE PORTS**With FINE 10 Micron Paper Element**

FSP415-5EDNACK	108	Y95202	248.84
FSP415-5EDNACK Long	110	Y95204	272.38

FSP615-5EDNACK	130	Y95334	252.72
FSP615-5EDNACK Long	140	Y95336	276.26

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With FINE 10 Micron Water Absorbing Element

FSP415-5EDNACK-LAZ	38	Y95206	287.68
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FSP615-5EDNACK-LAZ	40	Y95338	291.55
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With COARSE 25 Micron Paper Element

FSP415-5LDNACK	115	Y95208	257.50
FSP415-5LDNACK Long	130	Y95210	254.28

FSP615-5LDNACK	132	Y95340	261.37
FSP615-5LDNACK Long	142	Y95342	258.15

FLR215-9LDNH	84	345180	....
----	--	

With EXTRA FINE 3 Micron Paper Element

FSP415-5ADNACK	85	Y95212	211.35
FSP415-5ADNACK Long	90	Y95214	272.13

FSP615-5ADNACK	95	Y95344	215.22
FSP615-5ADNACK Long	105	Y95346	276.01

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With EXTRA FINE 3 Micron Paper Water Absorbing Element

FSP415-5ADNACK-LAZ	25	Y95216	294.92
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FSP615-5ADNACK-LAZ	30	Y95348	298.79
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FILTER HEAD ONLY**Without Gauge Ports**

ZDF-2215-25-0-00	501335
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MF-2215-25-0-2-0	501250	95.65
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With Gauge Ports

ZDF-2215-25-1 & 3-00	501340	165.04
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MF-2215-25-1 & 3-2-0	501255	168.91
----------------------	--------	---------------

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REPLACEMENT ELEMENTS**Fine 10 Micron Element**

Standard	SE-10	501045	41.90
Extra Long	LE-10	501050	53.67
Water Absorb.	LE-10AZ	501055	61.32

SE-10	501045	41.90
LE-10	501050	53.67
LE-10AZ	501055	61.32

K-23026	345765	33.11
----	
----	

Coarse 25 Micron Element

Standard	SE-25	501060	46.23
Extra Long	LE-25	501065	44.62

SE-25	501060	46.23
LE-25	501065	44.62

K-23027	345735	31.58
----	

Extra Fine 3 Micron Element

Standard	SE-3	501070	23.16
Extra Long	LE-3	501075	53.55
Water Absorb.	LE-03AZ	501000	56.31

SE-3	501070	23.16
LE-3	501075	53.55
LE-03AZ	501000	56.31

K-23044	345850	19.13
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----	

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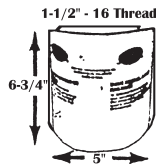
MEDIUM HYDRAULIC SUCTION LINE SPIN-ON SCREEN FILTER

H21

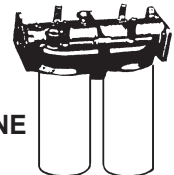
USE-Install in the suction line between pump inlet and the tank except Sump type, which is installed in the tank. This full flow filter has a built-in by-pass valve which opens automatically when filter is clogged or overloaded. Dial indicator tells when filter is dirty. Filter element easily removed for replacement. Filter gives full-flow filtration until clogged with dirt.

BAUM ASSEMBLY 1/2" OR 3/4" OR 1" PIPE SPIN-ON

1/2"				3/4"				1"			
BAUM Number	GPM	Our Sequence Number	Price Per Piece	BAUM Number	GPM	Our Sequence Number	Price Per Piece	BAUM Number	GPM	Our Sequence Number	Price Per Piece
FILTER ASSEMBLIES WITHOUT GAUGE PORTS											
With Coarse 100 Mesh Wire Screen Element 91 Square Inch 141 Micron											
FSP107-1XDNN	5	Y94510	\$55.98	FSP107-1XDNN	9	Y94530	\$62.80	FSP107-1XDNN	14	Y94550	\$59.81
FILTER ASSEMBLIES WITH GAUGE PORTS											
Filter with COARSE 100 Mesh Screen Element 91 Square Inch 141 Micron											
FSP107-1XDNAC	5	Y94620	65.92	FSP107-1XDNAC	9	Y94640	65.59	FSP107-1XDNAC	14	Y94660	61.59
FILTER HEAD ONLY											
ZAF-05-05-0 Without Gauge Ports			501264	13.78	ZAF-05-05-5 With Gauge Ports			501266			23.72
ZAF-07-05-0 Without Gauge Ports			501281	20.60	ZAF-07-05-5 With Gauge Ports			501270			23.39
ZAF-10-05-0 Without Gauge Ports			501283	17.61	ZAF-10-05-5 With Gauge Ports			501284			11.42
REPLACEMENT ELEMENTS											
100 Mesh Element for 1/2", 3/4" and 1" Medium Assemblies											
AE-100			501025	31.44							....




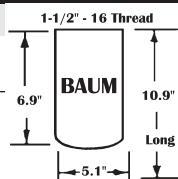
LARGE HYDRAULIC SUCTION LINE SPIN-ON SCREEN FILTER



BAUM ASSEMBLY TWIN SIDE-BY-SIDE 2" Split Flange & 1-1/2" Pipe Thd. Combination

BAUM ASSEMBLY IN-LINE MODULAR LINE 2" Split Flange & 1-1/2" Pipe Thd. Combination

BAUM TWIN SIDE BY SIDE Number			GPM	Our Sequence Number	Price Per Piece	BAUM TWIN IN-LINE Number			GPM	Our Sequence Number	Price Per Piece
FILTER ASSEMBLIES WITHOUT GAUGE PORTS											
Filter with 2 COARSE 100 Mesh Screen Element 200 Square Inch Each 141 Micron											
FSP415-5SBNNK			50	Y95164	\$244.64	FSP615-5SBNNK			50	Y95296	\$228.73
Filter with 2 COARSE EXTRA LARGE 100 Mesh Wire Screen Element 380 Square Inch Each 141 Micron											
FSP415-5TBNNK			64	Y95166	315.82						
FILTER ASSEMBLIES WITH GAUGE PORTS											
Filter with 2 COARSE 100 Mesh Screen Element 200 Square Inch Each 141 Micron											
FSP415-5SBNEK			50	Y95230	246.43	FSP615-5SBNEK			50	Y95362	230.46
Filter with 2 COARSE EXTRA LARGE 100 Mesh Wire Screen Element 380 Square Inch Each 141 Micron											
FSP415-5TBNEK			64	Y95232	317.61	FSP615-5TBNEK			64	Y95364	301.64
FILTER HEAD ONLY											
ZDF-2215-05-0-00 Without Gauge Ports				501310	107.02	MF-2215-05-0-2-0 Without Gauge Ports				501225	....
ZDF-2215-05-5-00 With Gauge Ports				501315	108.80	MF-2215-05-5-2-0 With Gauge Ports				501230	54.67
REPLACEMENT ELEMENTS											
With 100 Mesh Element											
Standard SE-100				501085	68.81	Standard SE-100				501085	68.81
Extra Long LE-100				501090	104.40	Extra Long LE-100				501090	104.40



GASKETS & SEALS for LARGE GRESN FILTERS

Description	Part Number	O.D.	x	I.D.	x	Thickness	x	Height	Our Sequence Number	Price Per Piece
Gasket for FSP212 Series Filter	11872-001	5/16	x	4-17/32	x	1/4	x	5/16	360595	\$1.50
Flat Center Post Seal Between Can & Center on Bottom	1575-001	3-3/4	x	1-3/4	x	1	x	1/16	359500	7.78
Large Square Cut Housing Seal Between Can & Head	1576-001	4-3/4	x	4-3/8	x	3/16	x	1/4	359520	16.17

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LARGE HYDRAULIC SUCTION LINE WASHABLE SCREEN FILTER A LARGE SIZE FULL-FLOW IN-LINE FILTER

USE-Install in the suction line between pump inlet and the tank except Sump type, which is installed in the tank.
This full flow filter has a built-in by-pass valve which opens automatically when filter is clogged or overloaded. Dial indicator tells when filter is dirty.
Filter element easily removed for replacement. Filter gives full-flow filtration until clogged with dirt.



BAUM ASSEMBLY LARGE SUCTION SPIN-ON

1", 1-1/4" & 1-1/2" Pipe Thread
Large Suction



GRESEN ASSEMBLY DROP-IN

1-1/2" Split Flange & 1-1/4"
Pipe Thd Combination
Drop-In

BAUM Spin-On Number	GPM	1" Sequence Number	GPM	1-1/4" Sequence Number	GPM	1-1/2" Sequence Number	Price Per Piece	GRESEN Drop-In Number	GPM	Our Sequence Number	Price Per Piece
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FILTER ASSEMBLIES WITHOUT GAUGE PORTS

Filter with COARSE 100 Mesh Screen Element 200 Square Inch 141 Micron

FSP112-1SBNN	15	Y94662	25	Y94720	32	Y94744	\$121.30	-----	--		\$....
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Filter with COARSE EXTRA LARGE 100 Mesh Wire Screen Element 380 Square Inch 141 Micron

FSP112-1TBNN	18	Y94664	30	Y94722	40	Y94746	156.89	-----	--	
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FILTER ASSEMBLIES WITH GAUGE PORTS

Filter with COARSE 100 Mesh Screen Element 200 Square Inch 141 Micron

FSP112-1SBNDF	15	Y94666	25	Y94778	32	Y94802	122.69	-----	--	
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Filter with COARSE EXTRA LARGE 100 Mesh Wire Screen Element 380 Square Inch 141 Micron

FSP112-1TBNDF	18	Y94668	30	Y94780	40	Y94804	158.27	-----	--	
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With EXTRA COARSE 60 Mesh Screen Element 220 Micron (K-23011)

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BAUM Number	Size	Our Sequence Number	Price Per Piece	GRESEN Number	Size	Our Sequence Number	Price Per Piece
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FILTER HEAD ONLY

Without Gauge Ports

SF-100-05-0	1"	501130	23.47				
SF-120-05-0	1-1/4"	501145	23.72				
SF-150-05-0	1-1/2"	501175	52.49	-----		....

With Gauge Ports

SF-100-05-4 & 6	1"	501132	37.00				
SF-120-05-4 & 6	1-1/4"	501147	14.50				
SF-150-05-4 & 6	1-1/2"	501180	53.87	-----		....

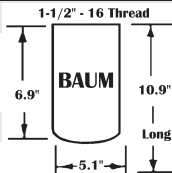
REPLACEMENT ELEMENTS

With 100 Mesh Element

Standard SE-100	1-1/2" - 16 Thread	501085	68.81	Standard K-25001	345940	110.81
Extra Long LE-100		501090	104.40	-----	--	....
-----		-----	Extra Heavy K-25002	345950	132.94

With 60 Mesh Element

-----		-----	-----	K-23001	345700	24.19
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NOTE: Filter assemblies using 100 mesh wire screen element for suction line should use the filter head with the 5 PSI bypass spring setting.
Those with gage ports need the proper gage port location for a vacuum gage.

GASKETS & SEALS for LARGE GRESEN FILTERS

Description	Part Number	O.D.	x	I.D.	x	Thickness	x	Height	Our Sequence Number	Price Per Piece
Gasket for FSP212 Series Filter	11872-001	5/16	x	4-17/32	x	1/4	x	5/16	360595	\$1.50
Flat Center Post Seal Between Can & Center on Bottom	1575-001	3-3/4	x	1-3/4	x	1	x	1/16	359500	7.78
Large Square Cut Housing Seal Between Can & Head	1576-001	4-3/4	x	4-3/8	x	3/16	x	1/4	359520	16.17

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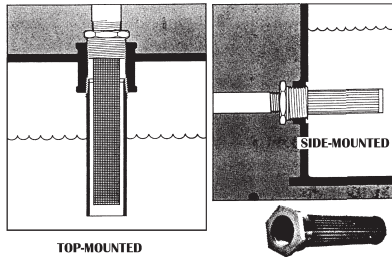
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FLOW EZY TANK-MOUNTED SUCTION STRAINERS; RETURN LINE STRAINERS; & DIFFUSERS

H23

TANK-MOUNTED STRAINERS

This is an easy way to put a strainer to work at your tank or reservoir. Mount them through the side wall, or through the top, into a standpipe. Either way they can be removed through the hole in which they are mounted, for easy servicing. Access to the tank interior is never necessary. Made in two styles: Suction line models are used when drawing fluid from the tank. Return line models are used when sending fluid into the tank.



Part Number	Tank Bushing	Female Pipe	GPM	Length	Diam.	Price Per Piece
SUCTION STRAINERS - 60 MESH						
S5-60	1	1/2	5	5-5/16	7/8	\$52.73
S10-60	1-1/4	3/4	10	8	1-1/8	37.13
S15-60	1-1/2	1	15	8-1/2	1-1/4	44.21
S25-60	2	1-1/4	25	9-9/16	1-9/16	86.01
RETURN FILTERS - 100 MESH						
R-19-100	1	1/2	18	5-5/16	7/8	25.82
R-33-100	1-1/4	3/4	32	8	1-1/8	37.13
R-54-100	1-1/2	1	53	8-1/2	1-1/4	44.21
R-94-100	2	1-1/4	93	9-9/16	1-9/16	90.17
DIFFUSERS						
D34	1-1/4	3/4	34	8	1-1/8	42.26
D55	1-1/2	1	55	8-1/2	1-1/4	45.27

By assembling the pipe fittings listed in the table you build a housing into which the Flow Ezy strainer fits.

DIMENSIONS AND SUPPLIES

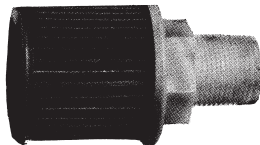
Strainer Model Size	Bushing Size	Length	Assembled Length (Approx.)	Pipe Size
S-5	1 x 1/2	5-5/16	7	1/2
S-10	1-1/4 x 3/4	8	10	3/4
S-15	1-1/2 x 1	8-1/2	11	1
S-25	2 x 1-1/4	9-9/16	13	1-1/4

PLUMBING SUPPLIES REQUIRED

For Strainer Model	Nipple (1 Required)	Coupling (2 Required)	Bushing (1 Required)
S-5	1-1/4 x 3-1/2	1-1/4 x 1	1 x 3/4
S-10	1-1/2 x 6	1-1/2 x 1-1/4	1-1/4 x 3/4
S-15	2 x 5-1/2	2 x 1-1/2	1-1/2 x 1
S-25	2-1/2 x 7	2-1/2 x 2	2 x 1-1/4

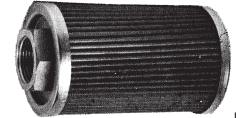
FLOW EZY SUMP STRAINER

Flow Ezy Sump Strainer with Male Pipe Threads



Part Number	Male Pipe	GPM	Length	Diam.	Price Per Piece
Nylon-End Nipple Style Flow Ezy Sump Strainer - 60 Mesh					
P-3 3/4-60	3/4	3	3-5/8	2-1/8	\$17.15
P-50-2	2	50	11-1/4	4-3/16	55.01
P-75-2-1/2	2-1/2	75	13-3/4	5-3/16	30.42
P-100-3	3	100	13-3/4	5-3/16	66.13

SUMP FILTER with Female Pipe Threads



Part Number	Female Pipe	GPM	Length	Diam.	Price Per Piece
GRESEN Sump Filter - 100 Mesh - 149 Micron					
FST215-1TB	1-1/4	30	9-7/8	4-1/3	\$89.66
FLOW EZY All Metal Sump with Female Pipe Threads					
10-1-100	1	10	5-3/4	3-9/32	40.67
20-1-1/4-100	1-1/4	20	7-3/8	3-9/32	47.74
30-1-1/2-100	1-1/2	30	9-1/8	4-9/32	69.86
50-2-100	2	50	9-3/4	4-9/32	85.41
75-2-1/2-100	2-1/2	75	12-1/2	5-7/16	63.26
100-3-100	3	100	12-1/2	5-7/16	75.97

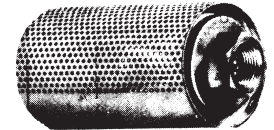
FLOW EZY All Metal Sump Strainers with Relief Set at 3 Lbs. - 100 Mesh

Part Number	Female Pipe	GPM	Length	Diam.	Price Per Piece
10-1-100-RV3	1	10	5-3/4	3-9/32	49.51
20-1-1/4x100-RV3	1-1/4	20	7-3/8	3-9/32	56.58
30-1-1/2-100-RV3	1-1/2	30	9-1/8	4-9/32	82.24
50-2-100-RV3	2	50	9-3/4	4-9/32	108.57
75-2-1/2-100-RV3	2-1/2	75	12-1/2	5-7/16	123.07
100-3-100-RV3	3	100	12-1/2	5-7/16	149.95

FLOW EZY RETURN LINE DIFFUSER

Female Pipe Thread or Male Nipple Pipe Thread Screws on or screws in (nipple design).

Flow diffusers help to cure foaming problems & to prevent cavitation caused by flow disturbance at the pump inlet. These units allow greater freedom in reservoir design, and may even eliminate the need for tank baffling plates. They also reduce reservoir noise. All-steel construction, and may be ordered with nut or nipple connector.



Part Number	Pipe Pipe	GPM	Length	Diam.	Price Per Piece
High Speed Return Line Flow Diffuser					
D-33 Female	3/4F	33	3-1/2	3-3/16	\$30.41
D-33 Nipple	3/4M	33	4-5/16	3-3/16	17.71
D-54 Female	1F	54	5-3/8	3-3/16	37.49
D-54 Nipple	1M	54	6-9/16	3-3/16	22.44
D-94 Female	1-1/4F	94	7-3/16	3-3/16	45.97

MAGNETIC DRAIN PLUGS

Plugs are square head not hex head as pictured.

Size Inches	Our Sequence Number	Price Per Piece
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With Male Square head & Extended Magnet

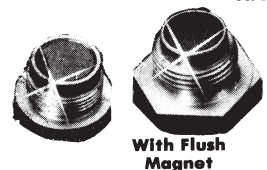
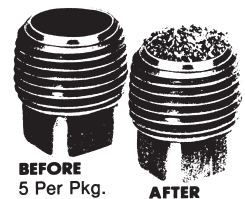
1/8	146060	\$4.57
1/4	146063	4.27
3/8	146066	4.57
1-1/2	146081	\$24.33
2	146083	31.84

With Male Square head & Flush Magnet

1/2	146069	2.58
3/4	146072	3.39
1	146075	8.21
1-1/4	146078	6.72

With Male Hex head

1/2-ORB	146086	6.12
3/4-ORB	146092	7.12



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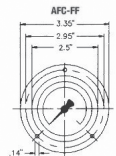
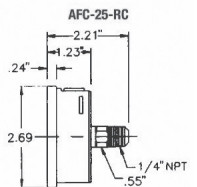
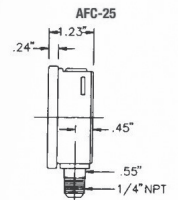
AFC-25 Stainless Steel Case
 Dial Size: 2-1/2" Glycerin Filled
 Pressure Ranges: 30" HG to 15,000 P.S.I./Bar (Dual Scale)
 Accuracy: Within 2.0% of Maximum Graduation
 Case: 304SS Stainless Steel
 Bourdon Tube: Phosphor Bronze
 Movement: Brass with Highly Finished Bearing Surfaces
 Connection: 1/4" Male NPT Brass Bottom or Rear Center Connection

Safety Blow-Out Plug Included/Restrictors Standard
 AFC-25RC (Rear Center) Mounting Options, Add Suffix:
 "FF" for Polished Stainless Steel Front Flange- Example: AFC-5M-25RC-FF
 "U-Clamp" Models, Model Number Changes to AUB - see chart below
 "Mid" Maximum indicating Dial available for AFC Series.



STD. Bottom Mount Model Number	Sequence Number	Price	Rear Center Mount Model Number	Sequence Number	Price	Full Range English P.S.I.	Metric BAR	Figure Interval P.S.I.	BAR	Graduation Interval P.S.I.	BAR
AFC-30-25	5873975	\$35.07	-----			0-30	0.2	5	.5	.5	.5
AFC-60-25	5873985	35.08	-----			0-60	0-4	10	1	1	.1
AFC-100-25	5873995	35.07	-----			0-100	0-7	20	2	2	.1
AFC-200-25	5874005	35.86	-----			0-200	0-14	40	4	4	.4
AFC-300-25	5874015	35.07	-----			0-300	0-20	50	5	5	.5
AFC-400-25	5874025	35.08	-----			0-400	0-28	50	5	5	.5
AFC-500-25	587385	35.86	-----			0-500	0-35	100	5	10	.5
AFC-600-25	5874035	35.07	-----			0-600	0-40	100	10	10	1
AFC-800-25	587386	30.29	-----			0-800	0-56	100	10	10	1
AFC-1M-25	5874045	35.07	AFC-1M-25RC	5874225	30.29	0-1000	0-70	200	20	20	1
AFC-1500-25	5874055	35.07	AFC-1500-25RC	5874185	30.29	0-1500	0-100	30	20	50	5
AFC-2M-25	5874065	35.86	AFC-2M-25RC	5874235	30.29	0-2000	0-140	400	40	40	4
*AFC-3M-25	5874075	35.07	AFC-3M-25RC	5874205	37.22	0-3000	0-210	500	50	50	5
AFC-4M-25	587389	35.07	-----			0-4000	0-300	500	50	50	5
*AFC-5M-25	5874085	35.07	AFC-5M-25RC	5874215	36.40	0-5000	0-350	1000	100	100	10
*AFC-6M-25	587390	33.70	-----			0-6000	0-420	1000	100	100	10
AFC-7500-25	587393	50.55	-----			0-7500	0-420	1000	100	100	10
AFC-10M-25	5874095	52.60	-----			0-10000	0-700	2000	200	200	10
STD Bottom Mount Model Number	Sequence Number	Price	Rear Center Mount Model Number	Sequence Number		Full Range English HG	Metric BAR	Figure Interval HG	BAR	Graduation Interval HG	BAR
AFC-30HG-25	5873965	37.26	-----			0-30"	0-1	5	.2	1	.02

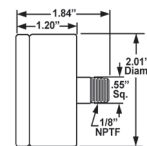
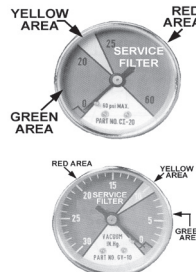
*S.A.E Connection Stock



RETURN & SUCTION FILTER GAUGES for BAUM, GRESSEN, PRINCE and CROSS FILTERS

For Baum, Gressen, Prince & Cross Filter, 1/8" NPT Center Back Mount 2" Diameter

Filter Gauge		
Part Number	Sequence Number	Price Per Piece
Return Filter Gauge - 60 PSI		
CI-20	501360	\$24.20
Suction Filter Gauge - 30" HG Vacuum		
GV-10	501370	19.69



CI-20 - For use with 25 PSI filter by-pass valve

GV-10 - For use with 5 PSI filter by-pass valve

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