

S-216-J Standard Pump

and S-216-JN Non-Lubricated Pump

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S-216-J(-) STANDARD PUMP, LUBRICATED

This general use, air driven pump produces medium to high liquid pressures and services oil, water and compatible chemicals.

The Model S-216-J standard pump is offered in ten ratios (area of large air piston to area of small liquid piston) ranging from the 10:1 ratio pump which develops up to 1025 psi (70 bar) to the 300:1 ratio which develops up to 36,500 psi (2516 bar). By regulating the driving air pressure, the pump's liquid output can be adjusted through its pressure range.

The pump's wetted section components are stainless steel, compatible with most non-abrasive liquids.

Being air driven, the pump is safe for use in hazardous areas.

The S-216-J standard pump requires lubricated driving air to lubricate the pump's dynamic air seals and other internal parts within the air portion of the pump.

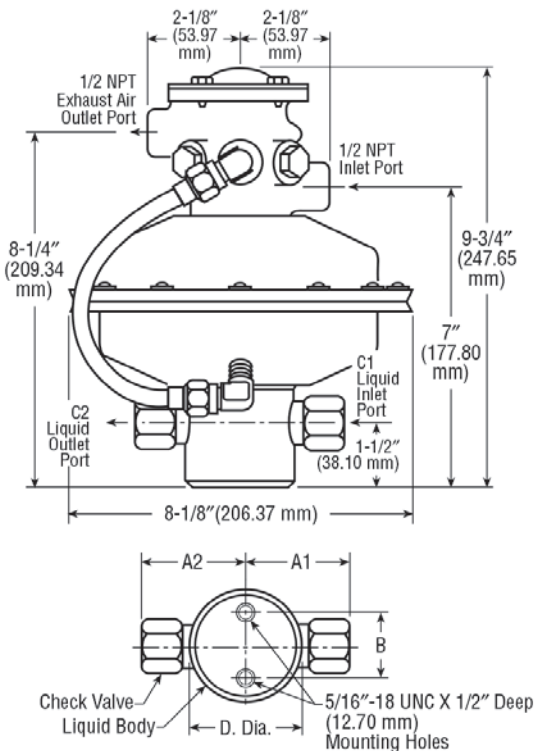
When determining the appropriate pump nominal ratio to order, refer to page 16-17, How To Order Pumps and Pump Ratio Selection Chart.

Example: S-216-J-60
 Pump Model Number Pump Nominal Ratio



S-216-J(-)

S-216-J



Nominal Ratio	A		B		C1	C2	D/Dia.	
	Inch	mm	Inch	mm	Inlet	Outlet	Inch	mm
10:1	2-29/32	73.82	2-7/16	61.90	NFC	NFC	3-1/2	88.86
20:1	2-29/32	73.82	2-7/16	61.90	NFC	NFC	3-1/4	82.51
30:1	2-29/32	73.82	2-7/16	61.90	NFC	NFC	3-1/4	82.51
35:1	2-3/8	57.15	1-1/2	38.10	NFC	NFC	2-1/2	63.47
60:1	2-3/8	57.15	1-1/2	38.10	NFC	NFC	2-1/2	63.47
100:1	2-3/8	57.15	1-1/2	38.10	NFC	NFC	2-1/2	63.47
101:1	2-3/8	60.45	1-1/2	38.10	NFC	NFC	2-1/2	63.47
125:1	2-1/4	57.15	1-1/2	38.10	NFB	HF4	2-1/2	63.47
150:1	2-1/4	57.15	1-1/2	38.10	NFB	HF4	2-1/2	63.47
200:1	2-1/4	57.15	1-1/2	38.10	NFB	HF4	2-1/2	63.47
300:1	2-1/4	57.15	1-1/2	38.10	NFB	HF4	2-1/2	63.47

Pump Model No.	Part Number	Maximum Output		Port Threads			Actual Weight	
		psi	bar	Driving Air	Inlet	Outlet	lbs.-oz.	kg
S-216-J-10	79293-11	1025	70	1/2 NPT	NFC	NFC	16-4	7.4
S-216-JN-10	89842-11	1025	70	1/2 NPT	NFC	NFC	16-4	7.4
S-216-JR-10	91612-11	1025	70	1/2 NPT	NFC	NFC	24-4	11
S-216-JNR-10	91613-11	1025	70	1/2 NPT	NFC	NFC	24-4	11
S-216-J-20	77894-11	1910	131	1/2 NPT	NFC	NFC	14-8	6.6
S-216-JN-20	89842-21	1910	131	1/2 NPT	NFC	NFC	14-8	6.6
S-216-JR-20	91612-21	1910	131	1/2 NPT	NFC	NFC	22-8	10.2
S-216-JNR-20	91613-21	1910	131	1/2 NPT	NFC	NFC	22-8	10.2
S-216-J-30	77894-21	3200	220	1/2 NPT	NFC	NFC	14-8	6.6
S-216-JN-30	89842-31	3200	220	1/2 NPT	NFC	NFC	14-8	6.6
S-216-JR-30	91612-31	3200	220	1/2 NPT	NFC	NFC	22-8	10.2
S-216-JNR-30	91613-21	3200	220	1/2 NPT	NFC	NFC	22-8	10.2
S-216-J-035	77895-81	4760	328	1/2 NPT	NFC	NFC	12-8	5.7
S-216-JN-035	89842-41	4760	328	1/2 NPT	NFC	NFC	12-8	5.7
S-216-JR-035	91612-41	4760	328	1/2 NPT	NFC	NFC	20-8	9.3
S-216-JNR-035	91613-41	4760	328	1/2 NPT	NFC	NFC	20-8	9.3
S-216-JB-035	94186-035-01	4760	328	1/2 NPT	NFC	NFC	12-8	5.7
S-216-JBN-035	94198-035-01	4760	328	1/2 NPT	NFC	NFC	12-8	5.7
S-216-JBR-035	94242-035-01	4760	328	1/2 NPT	NFC	NFC	20-8	9.3
S-216-JBNR-035	94243-035-01	4760	328	1/2 NPT	NFC	NFC	20-8	9.3
S-216-J-060	77895-11	6330	436	1/2 NPT	NFC	NFC	12-8	5.7
S-216-JN-060	89842-51	6330	436	1/2 NPT	NFC	NFC	12-8	5.7
S-216-JR-060	91612-51	6330	436	1/2 NPT	NFC	NFC	20-8	9.3
S-216-JNR-060	91613-51	6330	436	1/2 NPT	NFC	NFC	20-8	9.3
S-216-JB-060	94186-060-01	6330	436	1/2 NPT	NFC	NFC	12-8	5.7
S-216-JBN-060	94198-060-01	6330	436	1/2 NPT	NFC	NFC	12-8	5.7
S-216-JBR-060	94242-060-01	6330	436	1/2 NPT	NFC	NFC	20-8	9.3
S-216-JBNR-060	94243-060-01	6330	436	1/2 NPT	NFC	NFC	20-8	9.3
S-216-J-100	77895-21	9100	627	1/2 NPT	NFC	NFC	12-8	5.7
S-216-JN-100	89842-61	9100	627	1/2 NPT	NFC	NFC	12-8	5.7
S-216-JR-100	91612-61	9100	627	1/2 NPT	NFC	NFC	20-8	9.3
S-216-JNR-100	91613-61	9100	627	1/2 NPT	NFC	NFC	20-8	9.3
S-216-JB-100	94186-100-01	9100	627	1/2 NPT	NFC	NFC	12-8	5.7
S-216-JBN-100	94198-100-01	9100	627	1/2 NPT	NFC	NFC	12-8	5.7
S-216-JBR-100	94242-100-01	9100	627	1/2 NPT	NFC	NFC	20-8	9.3
S-216-JBNR-100	94243-100-01	9100	627	1/2 NPT	NFC	NFC	20-8	9.3
S-216-JB-101	94186-101-01	10000	689	1/2 NPT	NFC	NFC	12-8	5.7
S-216-JBN-101	94198-101-01	10000	689	1/2 NPT	NFC	NFC	12-8	5.7
S-216-JBR-101	94242-101-01	10000	689	1/2 NPT	NFC	NFC	20-8	9.3
S-216-JBNR-101	94243-101-01	10000	689	1/2 NPT	NFC	NFC	20-8	9.3
S-216-JB-125	94186-125-11	12400	854	1/2 NPT	NFB	HF4	12-8	5.7
S-216-JBN-125	94198-125-11	12400	854	1/2 NPT	NFB	HF4	12-8	5.7
S-216-JBR-125	94242-125-11	12400	854	1/2 NPT	NFB	HF4	12-8	5.7
S-216-JBNR-125	94243-125-11	12400	854	1/2 NPT	NFB	HF4	12-8	5.7
S-216-JB-150	94186-150-11	16200	1116	1/2 NPT	NFB	HF4	12-8	5.7
S-216-JBN-150	94198-150-11	16200	1116	1/2 NPT	NFB	HF4	12-8	5.7
S-216-JBR-150	94242-150-11	16200	1116	1/2 NPT	NFB	HF4	20-8	9.3
S-216-JBNR-150	94243-150-11	16200	1116	1/2 NPT	NFB	HF4	20-8	9.3
S-216-JB-200	94186-200-11	24900	1716	1/2 NPT	NFB	HF4	12-8	5.7
S-216-JBN-200	94198-200-11	24900	1716	1/2 NPT	NFB	HF4	12-8	5.7
S-216-JBR-200	94242-200-11	24900	1716	1/2 NPT	NFB	HF4	20-8	9.3
S-216-JBNR-200	94243-200-11	24900	1716	1/2 NPT	NFB	HF4	20-8	9.3
S-216-JB-300	94186-300-11	36500	2516	1/2 NPT	NFB	HF4	12-8	5.7
S-216-JBN-300	94198-300-11	36500	2516	1/2 NPT	NFB	HF4	12-8	5.7
S-216-JBR-300	94242-300-11	36500	2516	1/2 NPT	NFB	HF4	20-8	9.3
S-216-JBNR-300	94243-300-11	36500	2516	1/2 NPT	NFB	HF4	20-8	9.3

S-216-JN-() STANDARD PUMP, NON-LUBRICATED

Mechanically the same as the S-216-J standard pump, this S-216-JN-() pump is suitable for use in cleanrooms or laboratories. The pump uses normal shop compressed air without lubrication to actuate the pump. Its dynamic air seals are self lubricating. The pump's exhaust air is identical to the driving air supply, so no additional contaminants are added to the exhaust air. Order in the same manner as the S-216-J and add an "N" to model number.

Example: S-216-JN-60

Pump Model Number | Pump Nominal Ratio

S-216-J-()HO HIGH OUTPUT PUMP, LUBRICATED

S-216-JN-()HO HIGH OUTPUT PUMP, NON-LUBRICATED

Mechanically the same as the S-216-J-() or S-216-JN-() pumps, the S-216-()-()HO pumps utilize larger air to

dramatically increase pump speeds. Flows of up to double the standard published flow rates are available with the high output pumps.

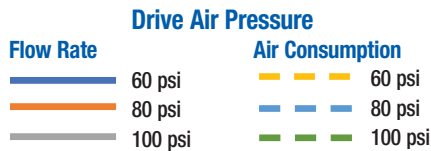
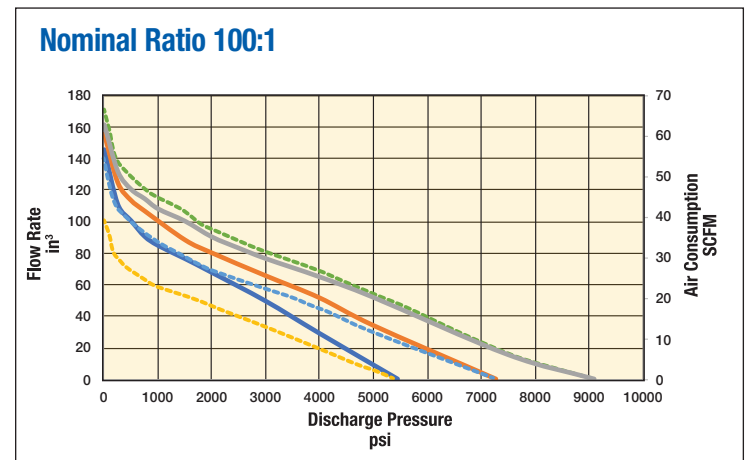
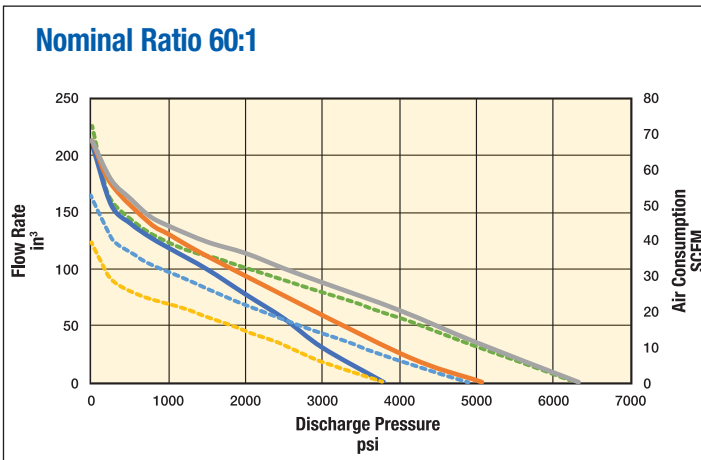
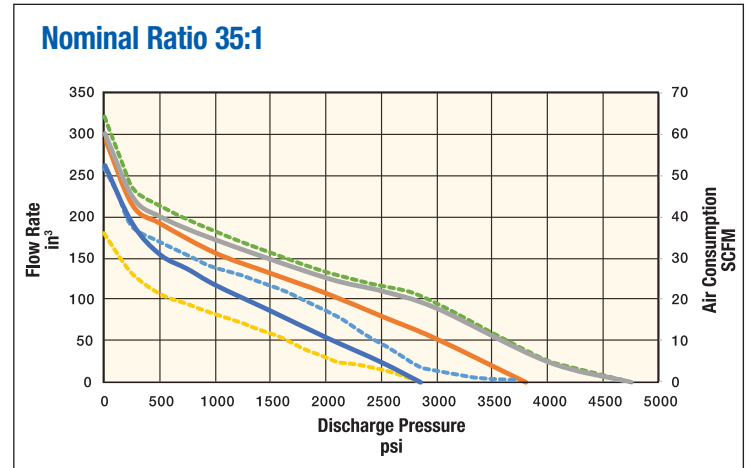
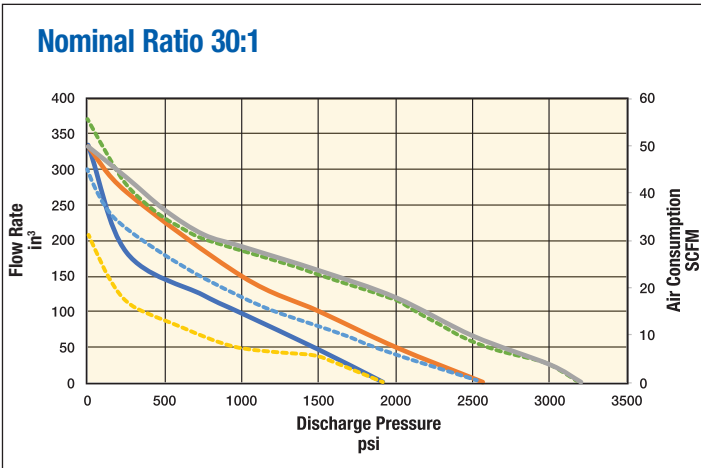
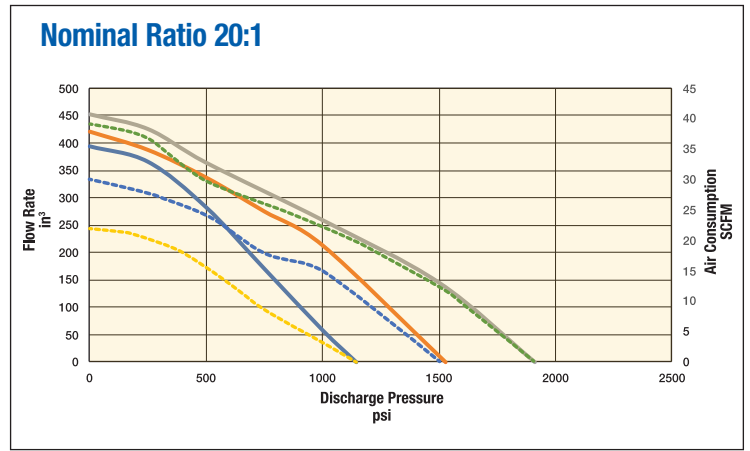
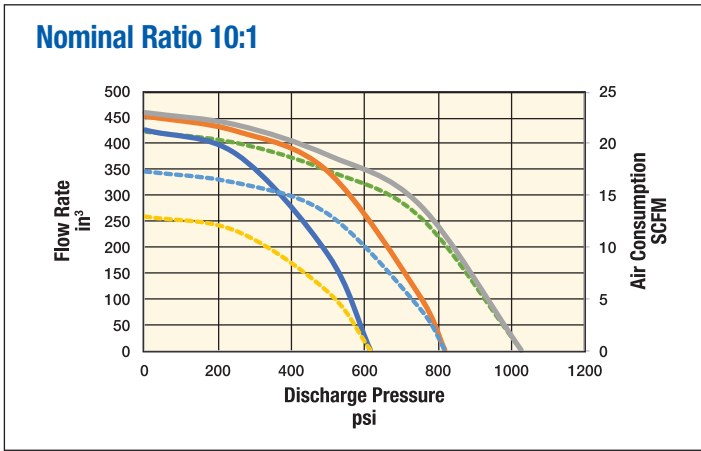
S-216-JR-() STANDARD PUMP/RESERVOIR, LUBRICATED

This pump assembly combines the S-216-J standard pump (lubricated air type) with a one-gallon (3.8 liters) steel reservoir. Readily adaptable to portable power pack use or suitable for stationary use to provide hydraulic power for production machinery or for hydrostatic testing. Available in ten pump ratios.

S-216-JNR-() PUMP/RESERVOIR, NON-LUBRICATED

Same as S-216-JR-() assembly except that the S-216-JN-() standard pump (non-lubricated air type) is used. No additional contaminants are exhausted from the pump. Available in ten pump ratios.

S-216-J Flow Performance



S-216-J Flow Performance (cont.)

