

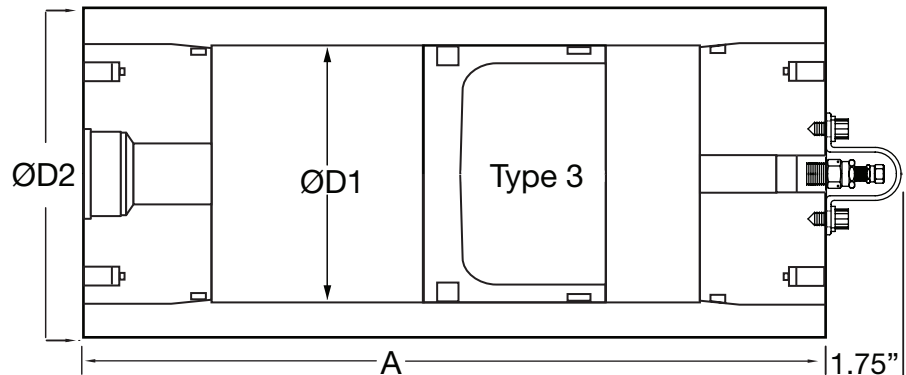


September 2012

NEW! SK210... HP SERIES PISTON ACCUMULATORS



Sizes 4" and 6"

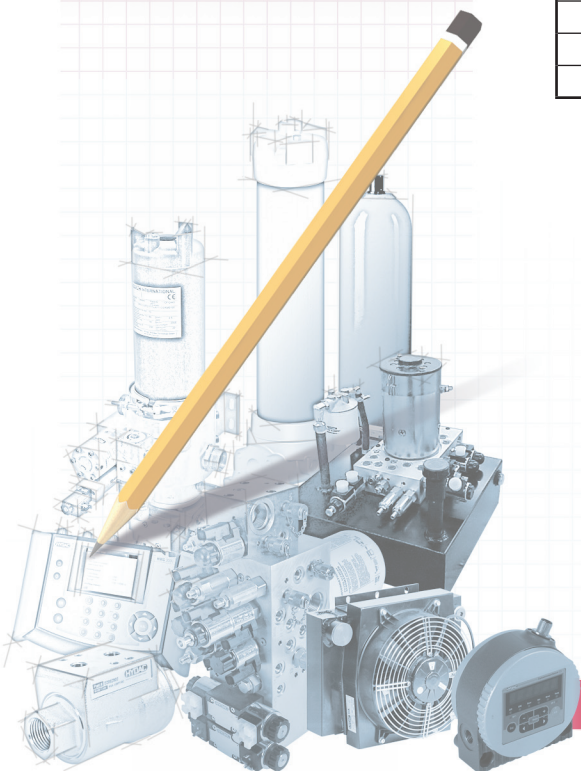


Nominal Size gal.	Eff Gas Volume (V_0) in ³ / L	Weight lbs / kg	A in / mm	ØD1 in / mm	ØD2 in / mm
0.25	77.5 / 1.27	38 / 17	18 / 457	4 / 100	4.92 / 125
0.5	138 / 2.27	50 / 23	22 / 569	4 / 100	4.92 / 125
1	260 / 4.27	71 / 32	31 / 791	4 / 100	4.92 / 125
2	504 / 8.27	107 / 49	45 / 1131	4 / 100	4.92 / 125
1	294 / 4.82	112 / 51	18 / 451	6 / 150	6.89 / 175
1.5	416 / 6.82	125 / 57	22 / 566	6 / 150	6.89 / 175
2.5	660 / 10.82	150 / 68	31 / 791	6 / 150	6.89 / 175
5	1270 / 20.82	215 / 98	53 / 1358	6 / 150	6.89 / 175
7.5	1759 / 28.82	269 / 122	72 / 1836	6 / 150	6.89 / 175
10	2491 / 40.82	344 / 156	98 / 2491	6 / 150	6.89 / 175

General Specifications:

Maximum Working Pressure	3000 PSI
Operating Temp	14° F to 180° F
Standard Seals for Petroleum-Based Oils	Polyurethane
Military Style Gas Valve (without Core Insert)	MS28889-2 / M6164-2
Paint	Black
Pre-Charge	None

**All dimensions are for general information only, all critical dimensions should be verified by requesting a drawing.



Model Code

SK 210 - 20 / 3218 S - 210 A C M - KCH - 15HP

Series _____
 SK210 = 3000 psi

Size (in Liters, see tables on dimension pages below) _____
 20 = 20 Liters
...see tables on page three below for complete list of "standard sizes"

Material and Piston Type _____

Piston Type (see tables below) _____
 3 = General Duty

Piston Material _____
 2 = Carbon steel (machined)

Cylinder and End Cap Material _____
 1 = Carbon steel (machined)

Seal Material (including piston seals) _____
 8 = PUR (Polyurethane)

Country of Installation _____
 S = USA

Maximum Working Pressure in bar (based upon first choice - SERIES) _____
 210 = 3000 psi

Fluid Port Connection _____

Type of Connection (refer to tables below) _____
 A = Threaded, Female
 F = Flanged

Standard / Specification of Type of Connection (refer to tables below) _____
 C

Size of Connection (refer to tables below) _____
 A, B, C, D, E, ...

Gas Side Connection _____

Type of Connection _____
 KCH = Gas Valve MS28889-2/M6 (with protective cover)

Piston Diameter _____
 10 = 100 mm (4" Nominal)
 15 = 150 mm (6" Nominal)

HP Designator = Made in the USA _____

Model Codes containing RED selections are non-standard items – Contact HYDAC for information and availability. Not all combinations are available.

Model Code Support Tables for Fluid Connections

Female Threaded Connections: A Sample Code = A¹ C² K³

Code	Type of Connection	A	B	C	D	E	F	G	H	J	K	4"	6"
		L	M										
C	ANSI B1.1 (UN.-2B) Seal SAE J 514	5/16-24UNF	3/8-24UNF	7/16-20UNF	1/2-20UNF	9/16-18UNF	3/4-16UNF	7/8-14UNF	1 1/16-12UN	1 3/16-12UN	1 5/16-12UN	1 5/8 12UN	1 7/8 12UN
D	NPT (ANSI B1.20.3)	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	n/a

Note: Bold copy indicates standard size.

1) use "A" as the first character of the connection code for all Female Threaded Connections.

2) Enter the letter of the ROW (red) as the second character of the connection code.

3) Enter the letter of the COLUMN (gray) as the third character of the connection code.

Flange Connections: F⁴

Sample Code = F⁴ C⁵ E⁶

Code	Type of Connection	A	B	C	D	E	F
C	SAE Code 61 (3000 psi)	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"

4) Use "F" as the first character of the connection code for all Flange Connections.

5) Use "C" as the second character of the connection code for all flange connections.

6) Enter the letter of the COLUMN (gray) as the third character of the connection code.

Standard Product Offering

Piston OD Tube ID (in.)	Nominal Size (gal.)	Fluid Port	Model Code	Maw Working Pressure (PSI)
4	0.25	SAE-20 (1 5/8-12 UN)	SK210-1/3218S-210-ACL-KCH-10HP	3000
4	0.50	SAE-20 (1 5/8-12 UN)	SK210-2/3218S-210-ACL-KCH-10HP	3000
4	1	SAE-20 (1 5/8-12 UN)	SK210-4/3218S-210-ACL-KCH-10HP	3000
4	2	SAE-20 (1 5/8-12 UN)	SK210-8/3218S-210-ACL-KCH-10HP	3000
6	1	SAE-24 (1 7/8-12 UN)	SK210-4/3218S-210ACM-KCH-15HP	3000
6	1.5	SAE-24 (1 7/8-12 UN)	SK210-6/3218S-210ACM-KCH-15HP	3000
6	2.5	SAE-24 (1 7/8-12 UN)	SK210-10/3218S-210ACM-KCH-15HP	3000
6	5	SAE-24 (1 7/8-12 UN)	SK210-20/3218S-210ACM-KCH-15HP	3000
6	7.5	SAE-24 (1 7/8-12 UN)	SK210-28/3218S-210ACMKCH-15HP	3000
6	10	SAE-24 (1 7/8-12 UN)	SK210-40/3218S-210ACM-KCH-15HP	3000

Mounting Component Selection Guide

Piston OD (in.) Tube ID	Recommended Clamp	Clamp Part Number	Clamp Qty Per Accumulator	Base Bracket
4	HRGKSM 1 R 119-127/124 ST	00444505	2	KBK 126 (2900530)
6	HyRac 167-175 ST	3627520	2	KBK 219 (238042)

*Note: Accumulator should be clamped in the end cap region.

Seals Included with Piston Seal Kit Seal Kits and Replacement Pistons

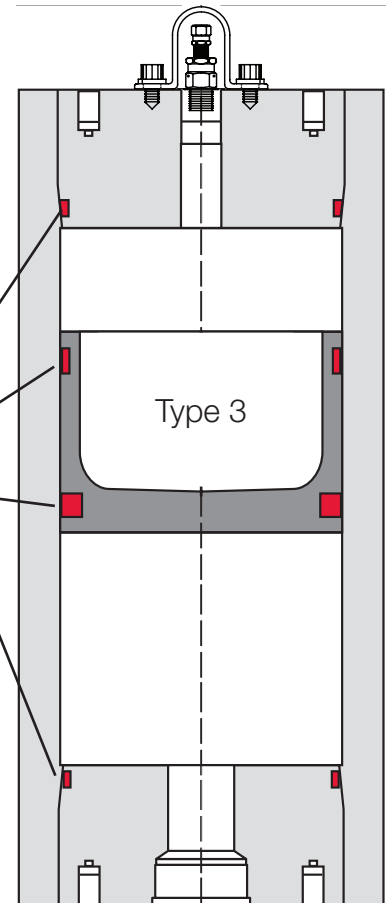
Piston OD (in.) Tube ID	*Piston Seal Kits
4	Rebuild Kit SK210..10 /2123414
6	Rebuild Kit SK210..15 /3145418

*Includes the following
End Cap O-rings (2)
Guide Ring (1)
Center Seal (1)

Replacement Piston w/seals
4" Part Number: 2115547
6" Part Number: 3016231
Replacement Gas Valve
Model Code: GAS VALVE M6164-2 W/CAP
Part Number : 2054712

Tools

Diameter	Seal Assembly	Piston Insertion
10 (100mm)	00352198	00290056
15 (150mm)	02124157	02124161



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