SALES AND ENGINEERING DATA

RATIO: SERIES:	4:1
FLUID PSIG: RANGE:	30 - 795

NM2304B-( )
TWO - BALL PUMP

RELEASED: 10-17-97
REVISED: 4-24-20
(REV: H) S-921

DIMENSIONAL DATA

MODEL NM2304B-X1-X1X

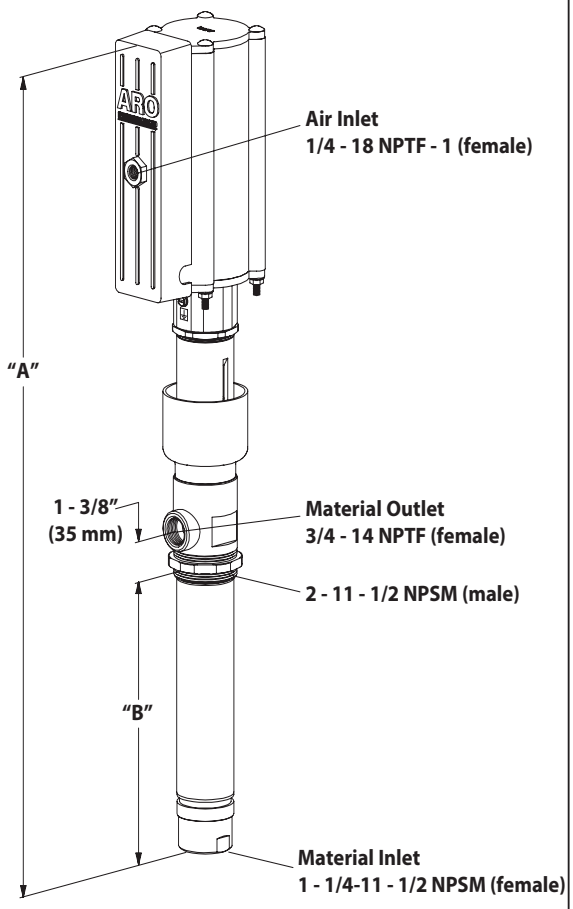


Figure 1

NOTE: Dimensions are shown in inches and (mm), supplied for reference only and are typically rounded up to the nearest 1/16 inch.

MODEL	"A"(mm)	"B" (mm)	WEIGHT (kg)
NM2304B-11-X1X	28 - 1/8" (714.4)	9 - 23/32" (246.8)	32.0 lbs (14.5)
NM2304B-41-X1X	51 - 21/32" (1312.1)	33 - 1/4" (844.6)	46.0 lbs (20.9)

SPECIFICATIONS

CONSTRUCTION

Model Series NM2304B-X1-X1X
Pump Type..... Air Operated, Two-Ball, Stainless Steel Pump
Ratio..... 4:1
Air Motor 66913
Air Motor Repair Kit 637316
Air Motor Diameter..... 3" (7.62 cm)
Stroke..... 3" (7.62 cm)
Air Inlet..... 1/4 - 18 NPTF - 1 (female)
Lower Pump End Series..... 1875CXXXXXX
Lower Pump Repair Kit
NM2304B-X1-C1X..... K1875C11FF00
NM2304B-X1-31X K1875C11SS00
NM2304B-X1-W11..... K1875C11VS00
NM2304B-X1-111 ..... K1875C11LF00
NM2304B-X1-511 ..... K1875C11US00
Material Inlet ..... 1 - 1/4 - 11 - 1/2 NPSM (female)
Material Outlet ..... 3/4 - 14 NPTF (female)

MATERIALS OF CONSTRUCTION

Outlet Body ..... 316 Stainless Steel
Cylinder
NM2304B-X1-X11..... 316 Stainless Steel
NM2304B-X1-X1B ..... Ceramic Coated 316 St. St.
Plunger ..... 316 Stainless Steel
Upper Packing
NM2304B-X1-C1X ..... UHMW-PE
NM2304B-X1-31X..... PTFE
NM2304B-X1-W11 ..... Viton
NM2304B-X1-111..... Leather
NM2304B-X1-511..... Filled PTFE / Leather Staggered
LowerPacking
NM2304B-X1-C1X ..... UHMW-PE
NM2304B-X1-31X ..... PTFE
NM2304B-X1-W11..... PTFE
NM2304B-X1-111..... UHMW - PE
NM2304B-X1-511..... PTFE
Upper Ball ..... 316 Stainless Steel
Upper Seat..... 316 Stainless Steel
Lower Ball..... 316 Stainless Steel
Inlet Body..... 316 Stainless Steel

PERFORMANCE

Air Inlet Pressure Range ..... 30 - 150 psig (2.1 - 10.3 bar)
Fluid Pressure Range ..... 60 - 795 psig (4.1 - 54.8 bar)
Maximum Rec'd Cycles / Minute ... 120
Flow @ 120 Cycles / Minute ..... 4.26 gpm (16.121 lpm)
Displacement Per Cycle ..... 8.2 In^3 (134 cc)
Cycles Per Gallon 28
Noise Level @ 100 psig - 60 cpm ... 85 dB(A)①

① The pump sound pressure level has been updated to an Equivalent Continuous Sound Level (LA_{eq}) to meet the intent of ANSI S1. 13-1971, CAGI-PNEUROPS5.1 using four microphone locations.

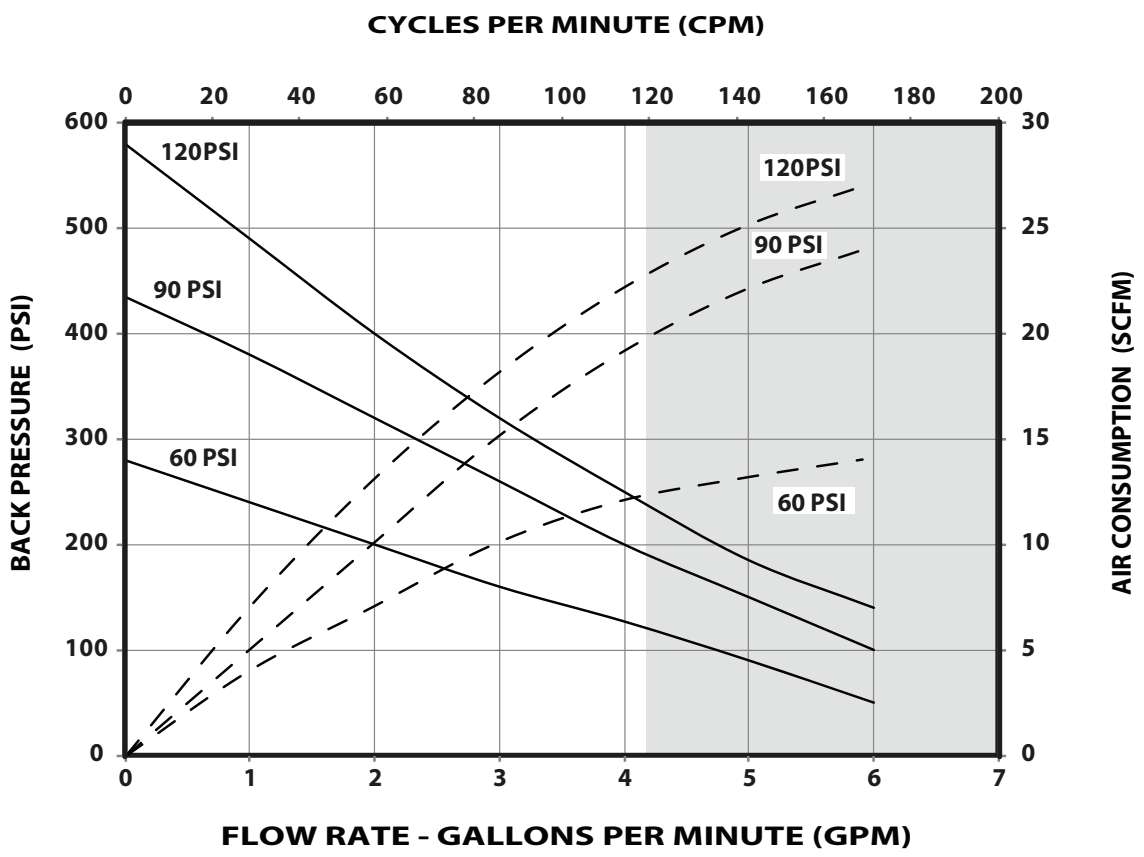
ACCESSORIES:
61113 Wall Mount Bracket
66073-1 Air Line Connection Kit

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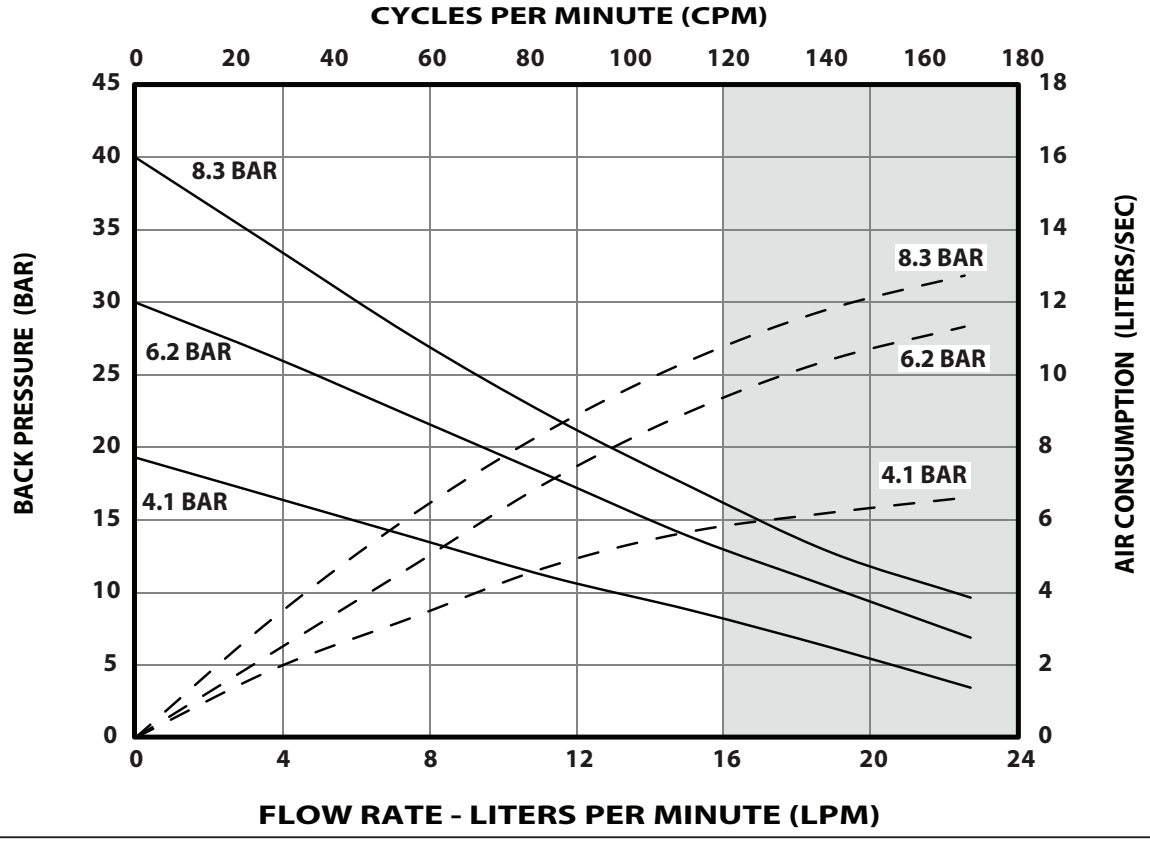
PERFORMANCE CURVES

PERFORMANCE BASED ON 30wt. OIL (100 cSt) AT 40° C TEMPERATURE



NOTE : NON SHADED AREA OF THE GRAPH REPRESENTS RECOMMENDED OPERATING RANGE

PERFORMANCE BASED ON 30wt. OIL (100 cSt) AT 40° C TEMPERATURE



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