

SALES & ENGINEERING DATA

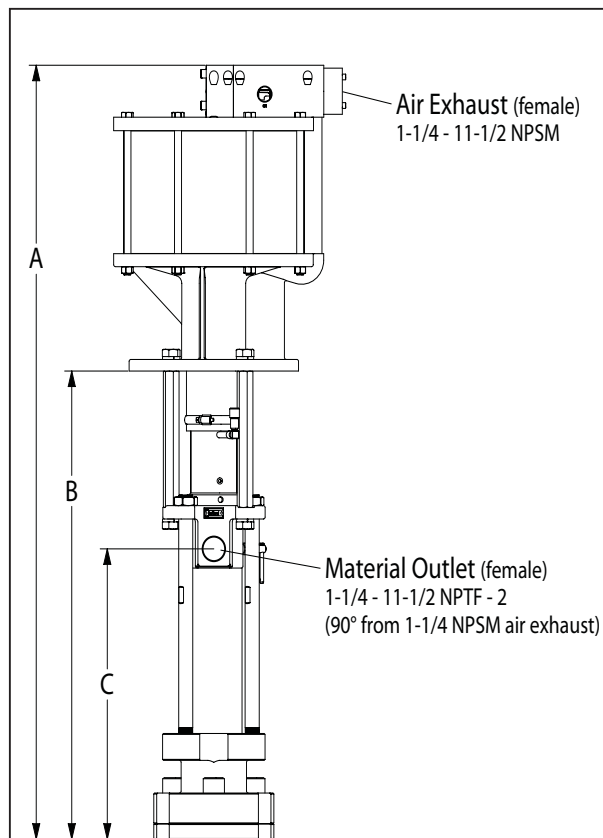
NM2C23X-A1-XXX Two-Ball Piston Pump

RATIO
SERIES: **23:1**

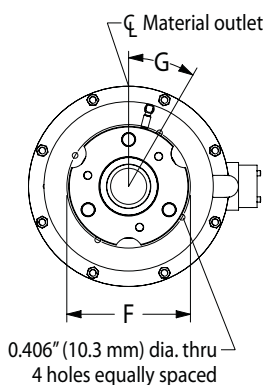
FLUID P.S.I.
RANGE: **690 - 2070**

RELEASED: 3-11-09
REVISED: 5-26-10
(REV. 02) S-1438

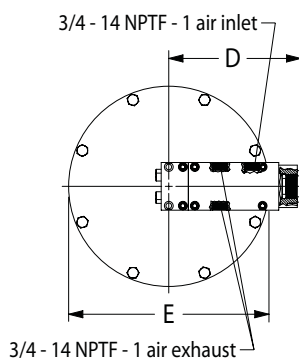
DIMENSIONAL DATA



Bottom View



Top View



- | | |
|--------------------------|-------------------------|
| A - 50-5/16" (1277.9 mm) | E - 14-3/16" (360.4 mm) |
| B - 30-7/16" (773.1 mm) | F - 8-3/4" (222.3 mm) |
| C - 18-7/8" (479.4 mm) | G - 30° |
| D - 9-3/8" (237.4 mm) | |

NOTE: Dimensions are shown in inches and (mm) and are supplied for reference only.

SPECIFICATIONS

Model Series	NM2C23X-A1-XXX
Pump Type	Air operated, two-ball, double acting pump
Ratio	23:1
Air Motor	66506-B
Motor Repair Kit	637112
Motor Diameter	12" (30.5 cm)
Stroke (double acting)	6" (15.2 cm)
Air Inlet (female)	3/4 - 14 NPTF - 1
Air Exhaust (female)	1-1/4 - 11-1/2 NPSM
Lower Pump End Series	6737X-XXX
Lower Pump Repair Kit	637444-XXD
Packing Options	

C - UHMW-PE
K - Carbon graphite filled PTFE
L - Mineral filled PTFE
P - UHMW-PE / Mineral filled PTFE staggered upper • UHMW-PE lower
R - Mineral filled PTFE / UHMW-PE staggered upper • Mineral filled PTFE lower

Material Outlet	1-1/4 - 11-1/2 NPTF - 2
Weight	200 lbs (90.7 kgs)

MATERIALS OF CONSTRUCTION

Outlet Body	316 stainless steel
Cylinder	
NM2C23G-A1-XXX.....	Hard chrome plated 15-5 stainless steel
NM2C23H-A1-XXX.....	Hard chrome plated 304 stainless steel
Plunger	
NM2C23G-A1-XXD.....	Hard chrome plated 15-5 stainless steel
NM2C23H-A1-XXE.....	Hard chrome plated 304 stainless steel
Upper Ball ..	NM2C23G-A1-XXX..... 440 C stainless steel
	NM2C23H-A1-XXX..... 316 stainless steel
Upper Seat	
NM2C23G-A1-X3X, -X6X, -X8X, -XEX ...	440 C stainless steel
NM2C23H-A1-X3X, -X6X, -X8X, -XEX ...	316 stainless steel
NM2C23X-A1-XCX, -XDX, -XFX, -XGX ...	Tungsten carbide
Lower Ball	440 C stainless steel
Lower Seat	316 stainless steel
Inlet Body	Carbon Steel

PERFORMANCE

Air Inlet Pressure Range	30 - 90 p.s.i.g. (2.1 - 6.2 bar)
Fluid Pressure Range	690 - 2070 p.s.i.g. (47.6 - 142.8 bar)
Cycles / Minute Rec'd @ Working Flow	70
Displacement In³ per Cycle	59.8
Volume / Cycle	33.1 oz. (979.6 ml)
Cycles per Gallon	3.86
Flow @ 70 Cycles / Minute	18.1 g.p.m. (68.6 l.p.m.)
Noise Level @ 60 p.s.i. - 40 c.p.m. ①.....	89.8 db(A)②

① Tested with 66718 silencer installed

② The pump sound pressure level has been updated to an Equivalent Continuous Sound Level (LAeq) to meet the intent of ANSI S1.13-1971, CAGI-PNEUROP S5.1 using four microphone locations.

Accessories:

65139 Floor Mount
66542 Wall Mount Bracket
66718 Silencer

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PERFORMANCE CURVES

NM2C23X-A1-XXX TWO-BALL PISTON PUMPS

