

# SALES & ENGINEERING DATA

## 539X Two - Ball Pump

RATIO  
SERIES: **5:1**

FLUID P.S.I.  
RANGE: **0 - 750**

RELEASED: 1-31-03  
REVISED: 9-23-11  
(REV. 02) S-1266

### DIMENSIONAL DATA

#### MODELS 539X

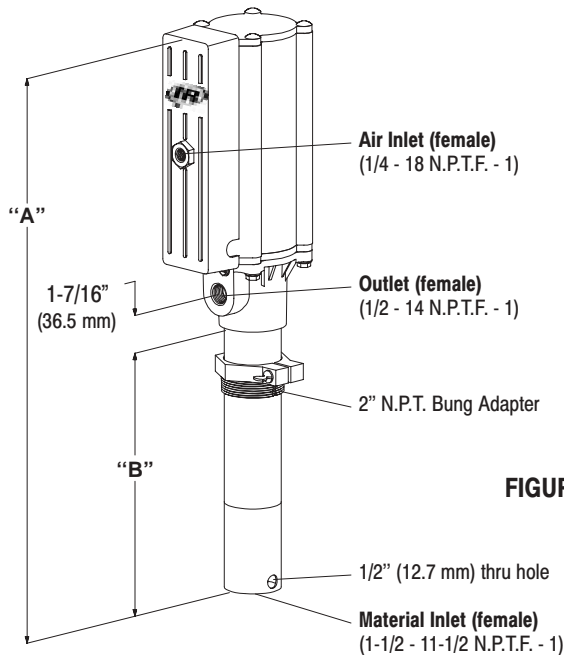


FIGURE 1

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)
5390	21" (533.4)	9-3/4" (247.7)	15.75 (7.14)
5398	41-1/4" (1047.8)	30" (762)	24.3 (11.02)
5399	51" (1295.4)	39-3/4" (1009.7)	28.5 (12.93)

### SPECIFICATIONS

#### CONSTRUCTION

Model Series	539X
Pump Type	Air Operated, Two-Ball, Double Acting Oil Pump
Ratio	5:1
Air Motor Diameter	3" (7.62 cm)
Stroke	3" (7.62 cm)
Air Inlet (female)	1/4 - 18 N.P.T.F. - 1
Material Inlet (female)	1-1/2 - 11-1/2 N.P.T.F. - 1
Material Outlet (female)	1/2 - 14 N.P.T.F. - 1
Pump Rebuild Kit	637384

#### MATERIALS OF CONSTRUCTION

Outlet Body	#3 Zinc
Cylinder	Aluminum
Plunger	Steel
Upper Packing	Polyurethane
Lower Packing	Polyurethane
Upper Seat	Steel
Lower Seat	Steel
Upper Ball	Steel
Lower Ball	Steel
Inlet Body	Steel

#### PERFORMANCE

Air Inlet Pressure Range	0 - 150 p.s.i. (0 - 10.3 bar)
Fluid Pressure Range	0 - 750 p.s.i. (0 - 51.7 bar)
Maximum Working Flow Rate	6 g.p.m. (34.1 l.p.m.)
Displacement / Cycle @ 100 p.s.i.	8.3 in. <sup>3</sup> (0.136 liters)
Cycles Per Gallon	28
Noise Level @ 100 p.s.i. <sup>②</sup>	85 db(A) <sup>①</sup>

① Tested with 95086 muffler installed.

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

#### ACCESSORIES:

61113 Wall Mount Bracket  
66073-1 Air Line Connection Kit

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