

# SALES AND ENGINEERING DATA

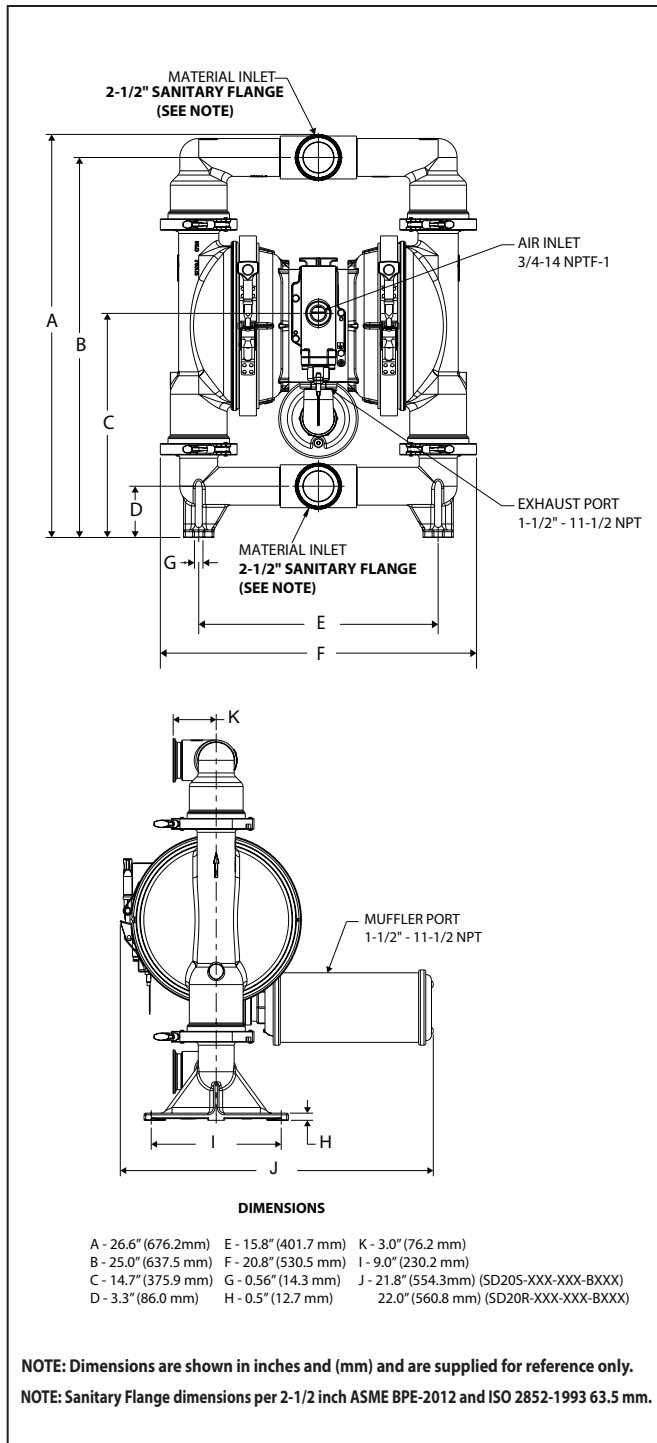
RATIO SERIES: **1:1**

FLUID PSIG RANGE: **20 - 120**

RELEASED: 3-17-17  
 REVISED: 11-23-17  
 (REV: B) S-1599

## SD20X-XXX-XXX-BXXX 2" Metallic Diaphragm Pump

### DIMENSIONAL DATA



### SPECIFICATIONS

**Model Series** ..... SD20X-XXX-XXX-BXXX  
**Pump Type** ..... Metallic, air operated, double diaphragm pump  
**Ratio** ..... 1:1  
**Weight**  
 SD20S-XXX-XXX-BXXX ..... 166.45 lbs (75.5 kgs)  
 SD20R-XXX-XXX-BXXX ..... 141.76 lbs (64.3 kgs)  
**Fluid Section Service Kit** ..... 637494-XX  
**Air Section Service Kit**  
 637497 for models SD20S-XXX-XXX-BXXX  
 637497-1 for models SD20R-XXX-XXX-BXXX  
**Major Air Valve Assembly Service Kit**  
 637498 for models SD20S-XXX-XXX-BXXX  
 637498-1 for models SD20R-XXX-XXX-BXXX

**SD20X-XXX-XXX-BXXX**  
 Example: Models SD20S-CSS-S M M-BXXX 637494-~~XX~~  
 Fluid Section Service Kit # 637494-MM Ball Diaphragm

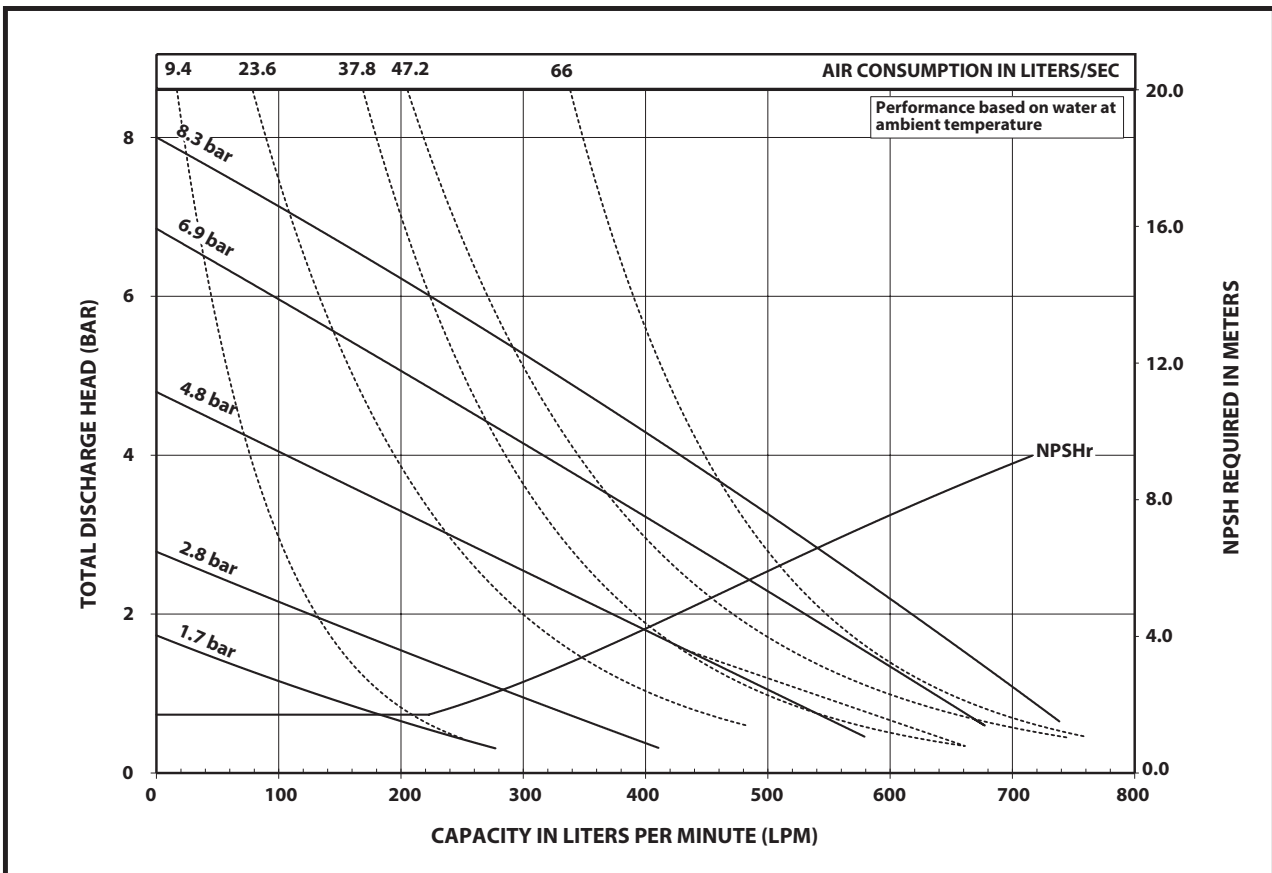
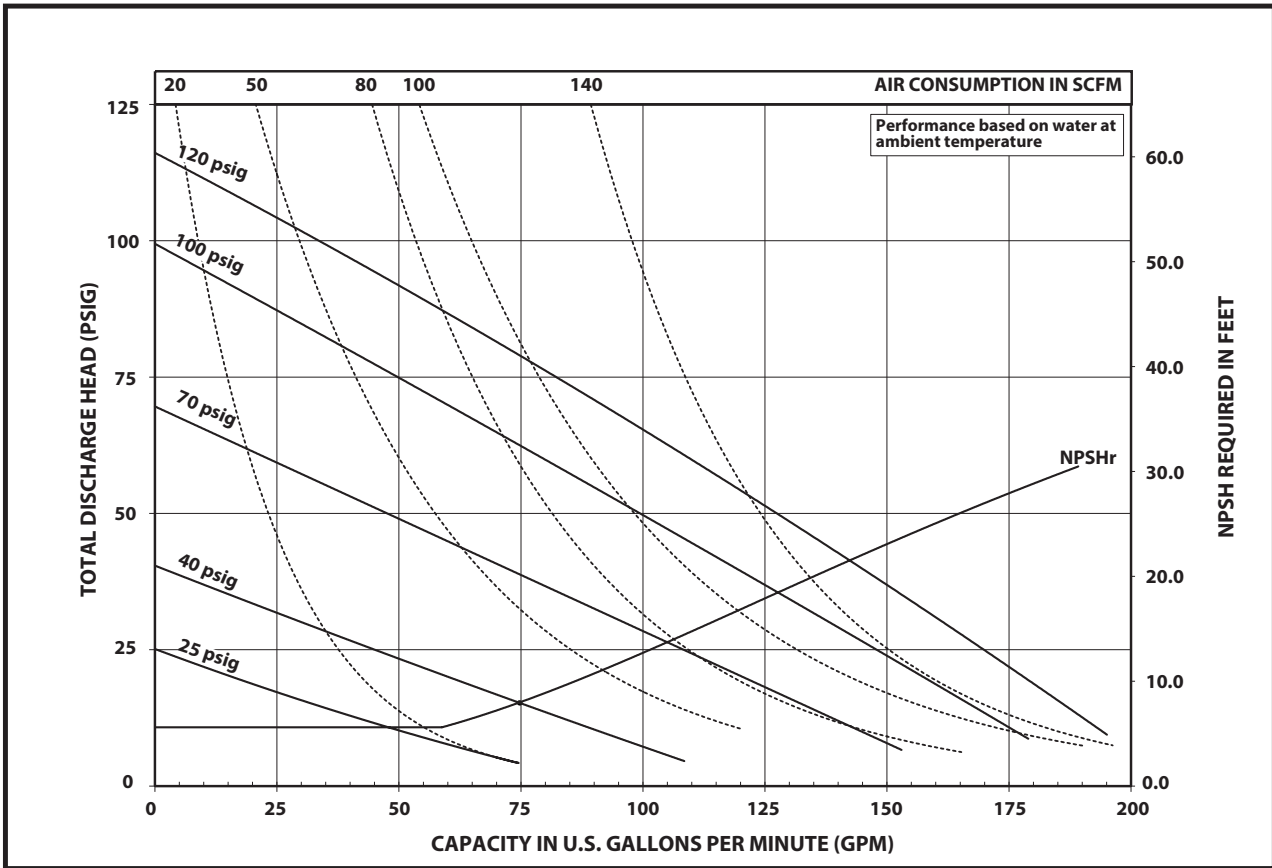
### PERFORMANCE

**Maximum Air Inlet Pressure** ..... 120 psig (8.3 bar)  
**Maximum Material Inlet Pressure**... 10 psig (0.69 bar)  
**Maximum Outlet Pressure** ..... 120 psig (8.3 bar)  
**Maximum Flow Rate** ..... 195 gpm (738 lpm)  
**Displacement / Cycle @ 100 psig**... 1.3 gal. (4.9 lit.)  
**Maximum Particle Size** ..... 1/4" dia. (6.4 mm)  
**Maximum Temperature Limits (diaphragm / ball / seal material)**  
 Santoprene® ..... -40° to 225° F (-40° to 107° C)  
 PTFE ..... 40° to 225° F (4° to 107° C)  
 Hytrel® ..... -20° to 150° F (-29° to 66° C)  
**Noise Level @ 70 psig - 60 cpm** ..... 82.5 dB(A)①

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

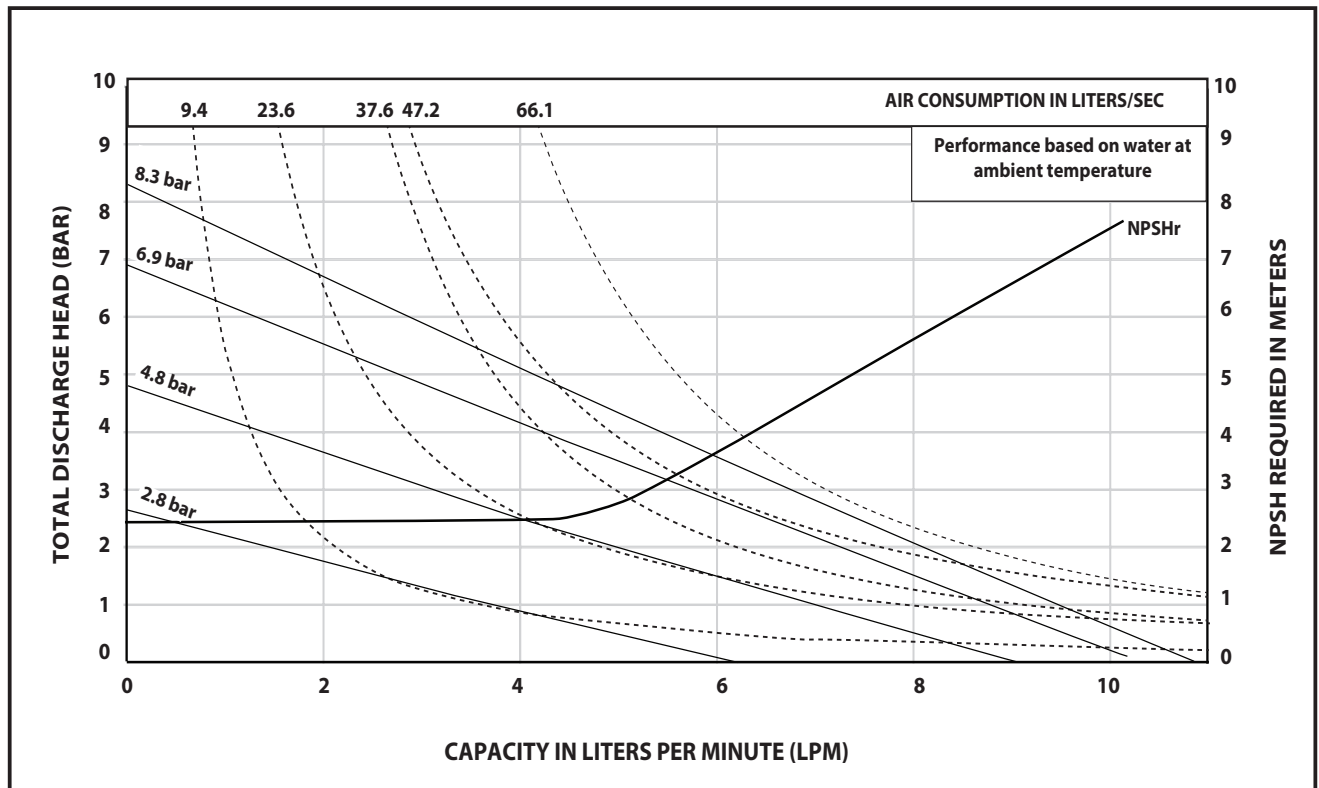
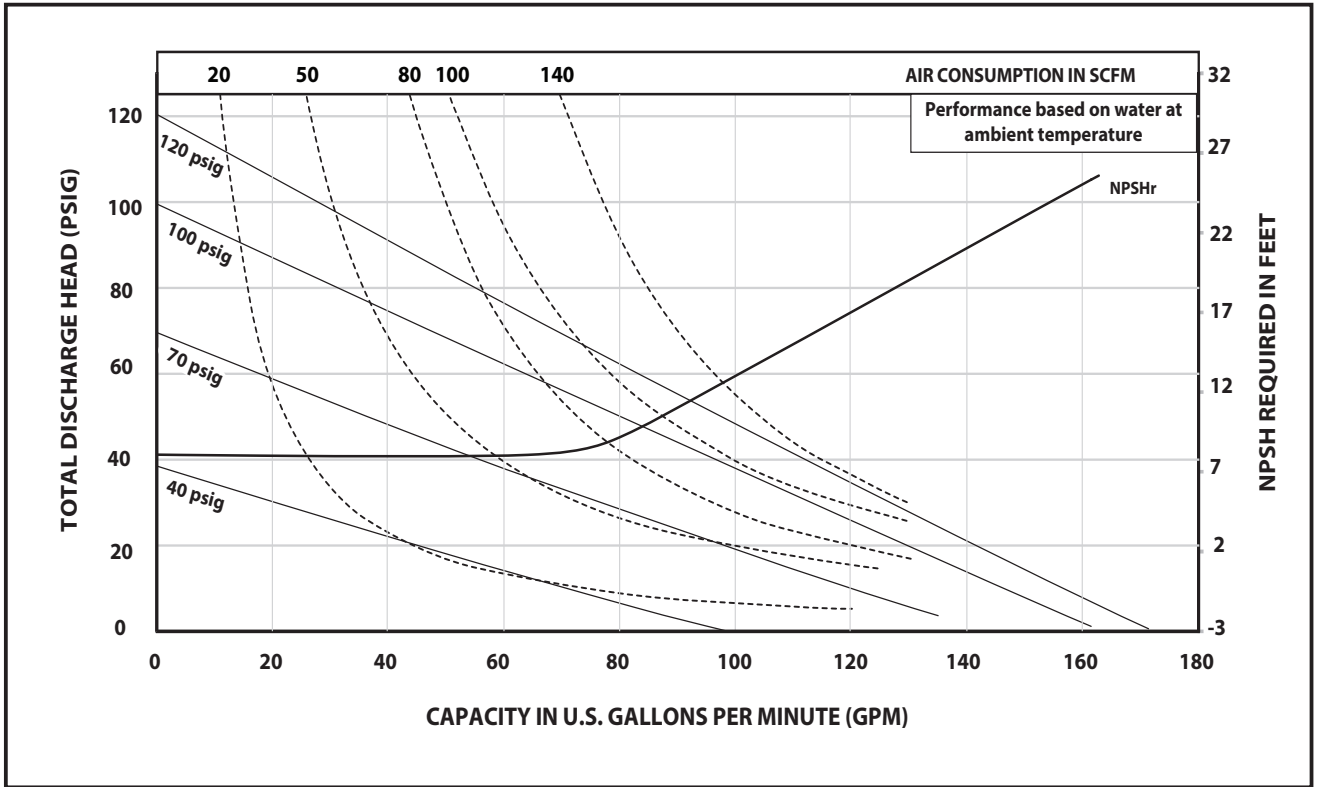
# PERFORMANCE CURVES

## SD20X-XXX-XXX-BXXX 2" METALLIC DIAPHRAGM PUMP FOR SANTROPENE DIAPHRAGMS



## PERFORMANCE CURVES

### SD20X-XXX-XXX-BXXX 2" METALLIC DIAPHRAGM PUMP FOR PTFE COMPOSITE DIAPHRAGMS



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**NOTES**

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