

NDP-5 Specifications

Port Dimensions (3.1 GPM Max.)

Intake & discharge	1/4" Female NPT
Air inlet (incl. ball valve):	1/4" Female NPT
Air exhaust (internal silencer):	3/8" Female NPT

Maximum Liquid Temperature

Fitted with Teflon® (PTFE) diaphragm

Pump Material	Temperature
Polypropylene (PPG)	180°F (82°C)
Kynar® (PVDF)	212°F (100°C)
Groundable Acetal	180°F (82°C)
Aluminum (ADC-12)	212°F (100°C)
Stainless Steel (316)	212°F (100°C)

Air Supply Pressure (All Models)

20–100 PSI (1.4–7 kfg/cm)

Discharge Volume Per Cycle

0.0078 gallons (29 cc)

Maximum Cycles Per Minute: 400

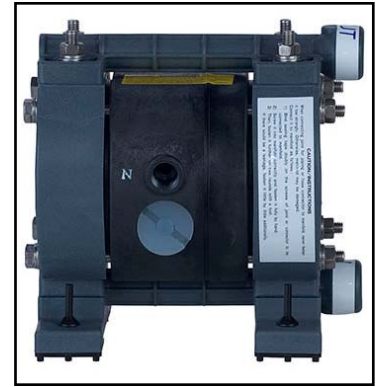
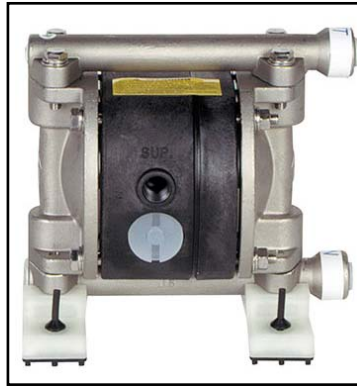
Maximum Dry Suction Lift: 5-feet

Pump Air Motor

Ryton® air motor standard

Model Number Nomenclature

Polypropylene (PPG)	NDP-5FPT
Kynar® (PVDF)	NDP-5FVT
Groundable Acetal	NDP-5FDT
Aluminum (ADC-12)	NDP-5FAT
Stainless Steel (316)	NDP-5FST



Aluminum

Dimensions: 6.1" W × 5.87" H

Net Wt.: 3.3 lbs. (1.5 kg)

Shipping Wt.: 4.3 lbs.

Stainless Steel

Dimensions: 6.1" W × 5.87" H

Net Wt.: 5.9 lbs. (2.68 kg)

Shipping Wt.: 6.9 lbs.

Kynar® (PVDF)

Dimensions: 6.14" W × 5.79" H

Net Wt.: 3.7 lbs. (1.67 kg)

Shipping Wt.: 4.7 lbs.

Groundable Acetal

Dimensions: 6.14" W × 5.79" H

Net Wt.: 3.7 lbs. (1.67 kg)

Shipping Wt.: 4.7 lbs.

Polypropylene

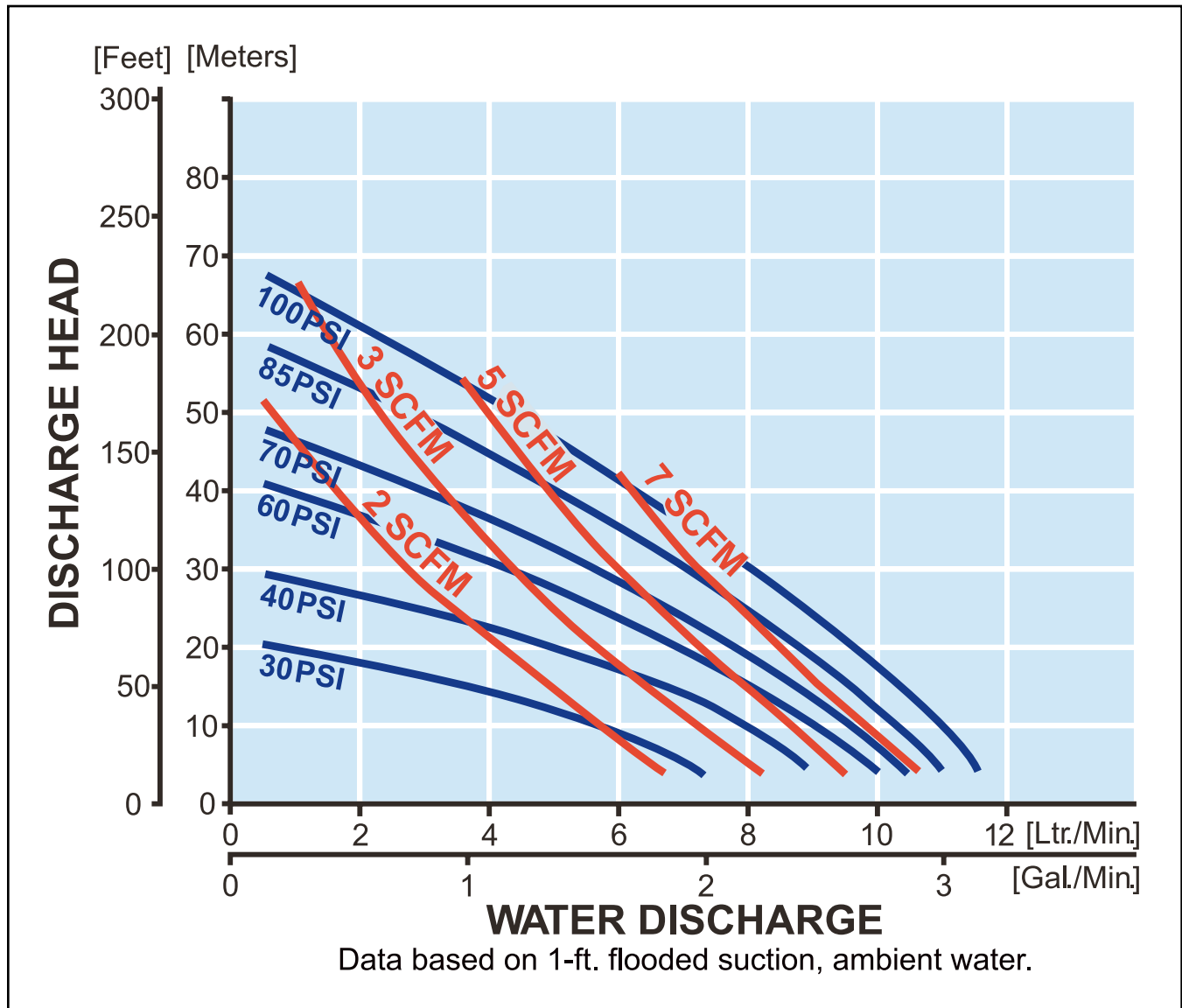
Dimensions: 6.14" W × 5.79" H

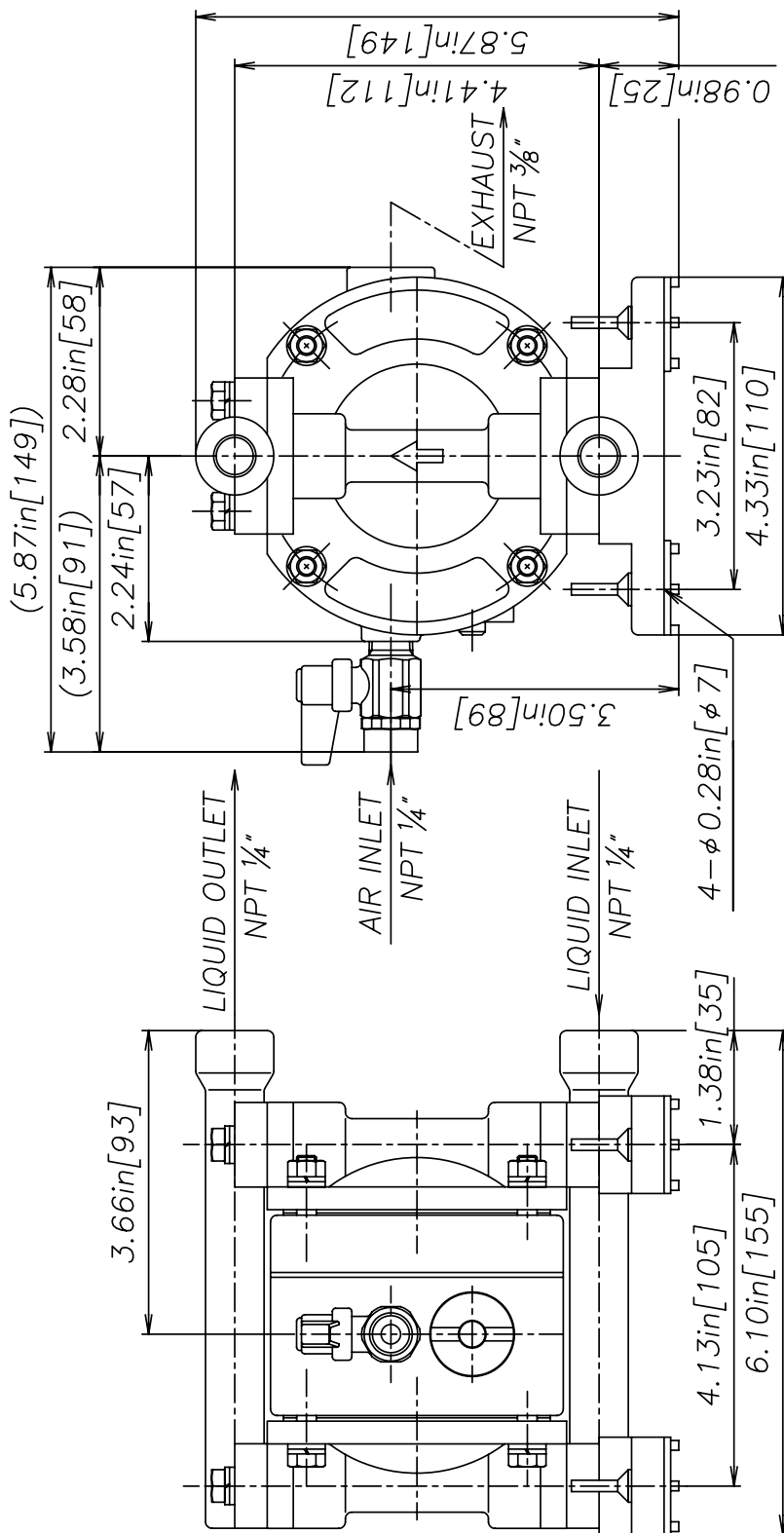
Net Wt.: 3.0 lbs. (1.36 kg)

Shipping Wt.: 4 lbs.

NDP-5 Performance Curve

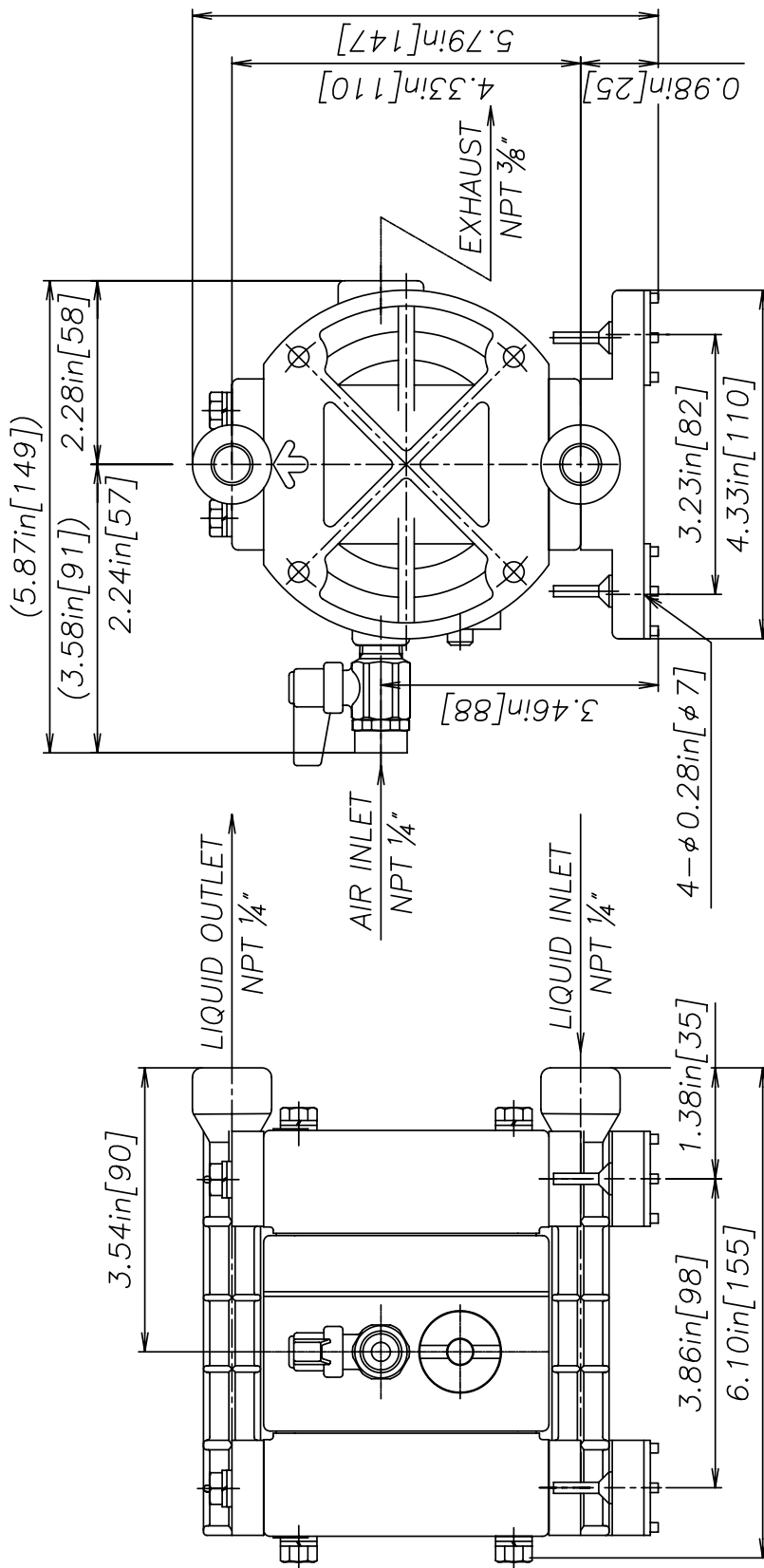
All Diaphragm Materials





REV	DATE	DESCRIPTION	APPR'D
THE DWG.OF:			
DIAPHRAGM PUMP ASSEMBLY			
SCALE 1 : 1			
DRAWN BY YJJ			
DATE 02/08/06			
APPROVED BY S.K.			
DRAWING NUMBER: NDP-5FA			
REV	0		

YAMADA AMERICA, INC.
 1200 NUCLEAR DRIVE - WEST CHICAGO, ILLINOIS 60185
 TOLL FREE 800-990-7867 OR 630-231-4083
 THIS IS A CAD DRAWING AND MUST NOT BE ALTERED MANUALLY.

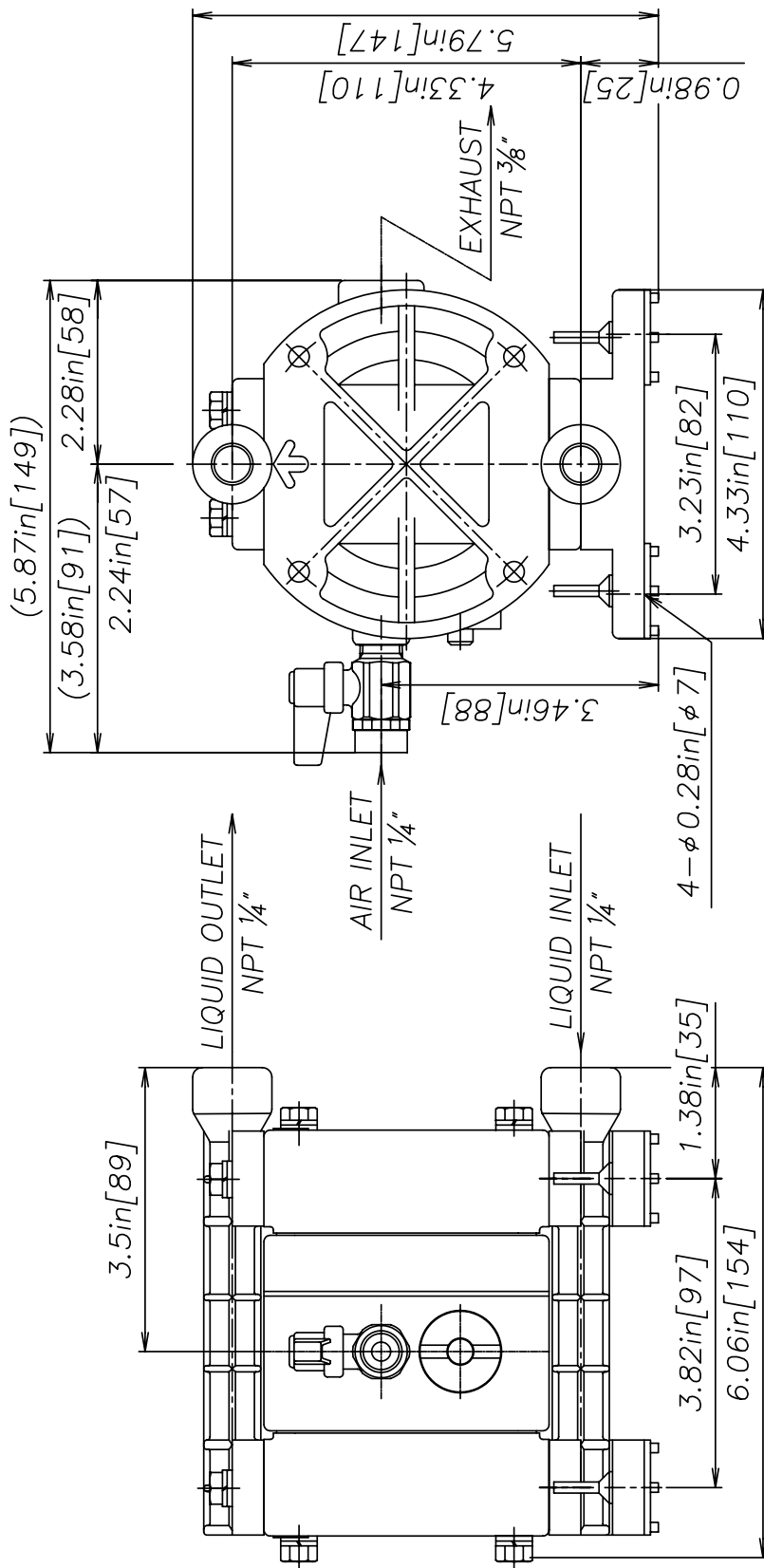


REV	DATE	DESCRIPTION	APPR'D
THE DWG.OF:			

DIAPHRAGM PUMP ASSEMBLY

YAMADA AMERICA, INC.
 1200 NUCLEAR DRIVE - WEST CHICAGO, ILLINOIS 60185
 TOLL FREE 800-990-7867 OR 630-231-4083
 THIS IS A CAD DRAWING AND MUST NOT BE ALTERED MANUALLY.

SCALE	1 : 1	DRAWN BY	YJI
DATE	02/10/06	APPROVED BY	S.K.
THIRD	ANG-PROJ.	DRAWING NUMBER:	NDP-5FP/FD
REV	0		



REV	DATE	DESCRIPTION	APPR'D
THE DWG.OF:			

DIAPHRAGM PUMP ASSEMBLY

YAMADA AMERICA, INC.
 1200 NUCLEAR DRIVE - WEST CHICAGO, ILLINOIS 60185
 TOLL FREE 800-990-7867 OR 630-231-4083
 THIS IS A CAD DRAWING AND MUST NOT BE ALTERED MANUALLY.

SCALE	1 : 1	DRAWN BY	YJI
DATE	02/10/06	APPROVED BY	S.K.
THIRD ANG. PROJ.	DRAWING NUMBER:	NDP-5F V	REV
			0

AutoCAD® is a registered trademark of Autodesk, Inc.

Hytrel® is a registered trademark of E.I. du Pont de Nemours and Company.

Kynar® is a registered trademark of Arkema.

Nordel™ is a trademark of DuPont Dow Elastomers.

Ryton® is a registered trademark of Chevron Phillips Chemical Company.

Santoprene® is a registered trademark of Advanced Elastomer Systems.

Swagelok® & VCR® are trademarks of the Swagelok Companies.

Teflon® is a registered trademark of E.I. du Pont de Nemours and Company.

Viton® is a registered trademark of DuPont Performance Elastomers.

Due to Yamada's continued commitment to product improvement, specifications may change without notice.



Yamada America, Inc. 955 E. Algonquin Road, Arlington Heights, IL 60005
USA Toll-Free: 800 990-7867 Phone: 847 631-9200 Fax: 847 631-9273
E-mail: sales@yamadapump.com Web: yamadapump.com