

SYNTHESIS

THE ONE-PIECE DIAPHRAGM FOR MAX LONGEVITY AND PERFORMANCE

SANDPIPER[®]
A WARREN RUPP, INC. BRAND



Temperature Range

14°F to 176°F (-10°C to 80°C)



Torque-Free Installation

Simply hand turned into position



No center hole for superior leak free operation & installation



No outer diaphragm plate abrasion due to trapped fluids



Oversized integrated plate supports nearly 50% of the diaphragm through the entire dynamic motion



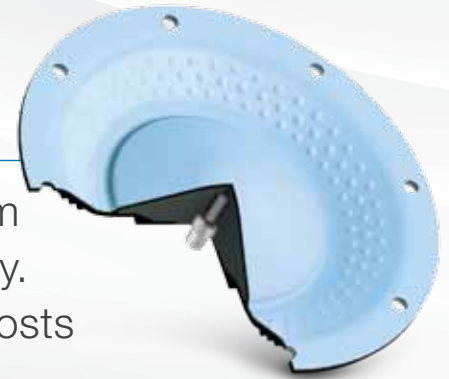
Start-up pressure of less than 10 psi on SANDPIPER Synthesis Diaphragm vs. 25 psi or more on competitive diaphragms



One-piece composite design with 100% PTFE on the wetted side bonded to a Nitrile Rubber (NBR) backer with an integrated diaphragm plate



THE SYNTHESIS DIAPHRAGM



A premium one-piece diaphragm that creates optimum conditions for high performance pumping and reliability. Expect longer service life and reduced maintenance costs with this premium diaphragm.

TECHNICAL SPECIFICATIONS

Part Number (Conversion Kit)*	Inner Diaphragm Plate**	Where Used	Wet End Kit	Where Used
286.112.000 (475.250.000)	612.218.330	SB1	476.034.659	SB1-A
286.112.000 (475.250.000)	612.218.330	S1F Metallic	476.194.659	S1F Metallic
286.113.000 (475.254.000)	612.217.150	S15 Metallic	476.182.659	S15 Metallic
286.114.000 (475.255.000)	612.219.150	HDB1½	476.036.659	HDB1½
286.114.000 (475.256.000)	612.227.150	S15 Non-Metallic	476.255.659	S15 Non-Metallic
286.114.000 (475.256.000)	612.227.150	S20 Non-Metallic	476.257.659	S20 Non-Metallic
286.115.000 (475.258.000)	612.220.150	S1F Non-Metallic	476.197.659	S1F Non-Metallic
286.116.000 (475.251.000)	612.221.330	S05, S07, S10 Non-Metallic	476.202.659	S05 Non-Metallic
286.116.000 (475.251.000)	612.221.330	S05 Metallic	476.199.659	S05 Metallic
286.118.000 (475.252.000)	612.215.330	HDB2	476.043.659	HDB2
286.118.000 (475.253.000)	612.214.150	S20 Metallic	476.042.659	S20 Metallic

*Conversion Kits include (2) Diaphragms w/Studs and (2) Inner Plates

**Order this Inner Diaphragm Plate when ordering the One-Piece Diaphragm

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IDEX
CORPORATION

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