Warren Rupp/Sandpi	per Diaphragm Pump
Mfg: Warren Rupp/Sandpiper	Model: SB1-A
Stock No. HDPH253H.2	Serial No. 0006

Warren Rupp/Sandpiper Stainless Steel Diaphragm Pump, Model SB1-A. S/N 0006, Type: SN-1-SS. Inlet/ Outlet 1-1/2 in. Adjustable flowrate: 0 - 42 gpm. SB Series metallic pumps are ideal for all liquids, viscous, even small solids. Solids Handling up to 1/4 in. Overall Dimensions: 16 in. L x 10 in. W x 16 in. H.









SB1-A SB25-A 12/00

(Material abbreviations on reverse)

## SBI-A & SB25-A BALL VALVE SandPIPER®

						RIALS O			1101	100								
SB1-A SB25-A Type	Man Port I <sup>B</sup> D	iifold ing epis	Manifold	Outer Chamber	Inner Chamber	Outer Diaphragm Plate	Inner Diaphragm Plate	Intermediate Housing	Dia- phragm Rod	Valve Seat	Hard- ware	Dia- phragm	Ball Valve Material	Manifold Gasket	Seat Gasket	Air Valve	Air Valve Cap	Shippir Wt. (Ib:
SR-4-HC		х	WR-C	WR-C	AL380DC	WR-C	PS	AL380DC	416SS	WR-C	PS	Н	н	Α	В	PP	AL380DC	50
SGR-4-HC		х	WR-C	WR-C	AL380DC	WR-C	PS	AL380DC	416SS	WR-C	PS	H/T	Т	т	т	PP	AL380DC	50
*ESC-4-S	X		WR-C	WR-C	AL380DC	WR-C	PS	AL380DC	416SS	SS	PS	V	T	T	T	PP	AL380DC	45
SGN-4-HI		х	WR-C	WR-C	CI	WR-C	PS	CI	416SS	WR-C	PS	N/T	Т	Т	Т	PP	PP	65
Meanings Abbrevia Kit available to to top porting	tion o conv	/ert	AL = B = Bi CI = C DC = H = H			PP = Polypro PS = Plated	ne ene Backup, opylene Steel	/PTFE Overlay		R = Ryto S = Sant SS = Sta T = Virg V = Vitor	oprene® iinless S gin PTFI	teel		= War	ren Ri	upp Alloy upp Alloy "C" equ		S
Viton ®& Hytrel ® are registered tradenames of E.I. du Pont. Santoprene® is a registered tradename of Monsanto Corp. MATERIALS									Operating Temperatures Maximum* Minimum* Optimum*									
BUNA-N General purpose, oil-resistant. Shows good solvent, oil, water and hydraulic fluid resistance. Should not be used with highly polar solvents like acetone and MEK, ozone, chlorinated hydrocarbons and nitro hydrocarbons.								190°F -10°F 88°C -23°C			50°F to 140°F 10°C to 60°C							
<b>NEOPRENE</b> All purpose. Resistant to vegetable oils. Generally not affected by moderate chemicals, fats, greases and many oils and solvents. Generally attacked by strong oxidizing acids, ketones, esters, nitro hydrocarbons and chlorinated aromatic hydrocarbons.										-35 <i>37</i> °			50°F to 130°F <i>10°C to 54°C</i>					
	aroma	auc n	iyaroourboric		HYTREL® Good on acids, bases, amines and glycols at room temperature.							190°F <i>88°C</i>		-10°F <i>-23°C</i>				
chlorinated				amines and g	glycols at roo	m temperature	э.										50°F to 14 10°C to 6	
chlorinated HYTREL® ( Virgin PTF molten alka	Good o E Che	on ac emica als, ti	ids, bases, a ally inert, virt urbulent liqu	ually impervi id or gaseou	ous. Very fev s fluorine and	, v chemicals a	re known to chemicals s	chemically rea uch as chlorine	ct with Tef e trifluoride	lon or					<u>8°C</u> ≌F			50°C 12°F
chlorinated HYTREL® ( Virgin PTF molten alka oxygen dift VITON® Sh	Bood c E Che Ili meta Joride ows g d hydr	on ac emica als, tr whic	ally inert, virt urbulent liqu th readily libe	ually impervi id or gaseou erate free flu a wide rang	ous. Very fev s fluorine and orine at eleva je of oils and	v chemicals a d a few fluoro- ated temperations solvents; esp	re known to chemicals su ures. ecially all alip	chemically rea uch as chlorine ohatic, aromati Is solutions (ov	e trifluoride	or		<u>88°C</u> 212°F+	+	-23 -35 -37 +32	8°C 1°F 7°C		10°C to 6	<u>50°C</u> 12°F 00°C
chlorinated HYTREL® ( Virgin PTF molten alka oxygen diffu VITON® Sh halogenate attack Vitor	Good c E Che Ili meta Joride ows g d hydr 1 <sup>®</sup> .	on ac emica als, ti whic ood r rocarl	kids, bases, a ally inert, virt urbulent liqu ch readily libu resistance to bons, acids, bood water ar	ually impervi id or gaseou erate free flu a wide rang animal and	ous. Very fev s fluorine and orine at eleva e of oils and vegetable oil:	v chemicals a d a few fluoro- ated temperation solvents; espo s. Hot water o	re known to chemicals si ures. ecially all ali r hot aqueou	uch as chlorine	e trifluoride c and ver 70° F) v	will		88°C 212°F+ 100°C 212°F+	-	-23 -35 -37 +32	<u>8°C</u> °F 2°F 2°F 2°F		<u>10°C to 6</u> 50°F to 2 10°C to 1 75°F to 21	2°F 2°F 20°C
chlorinated HYTREL® (C Virgin PTF molten alka oxygen diffu VITON® Sh halogenate attack Vitor EPDM Sho ketones an	Good c E Che ili meta uoride ows g d hydr 1º. ows ve d alco ENE®	on ac emica als, tr whic ood r rocarl ery go hols.	kids, bases, a ally inert, virt urbulent liqu th readily libe resistance to bons, acids, bood water ar	ually impervi id or gaseou erate free flu a wide rang animal and nd chemical i	ous. Very fev s fluorine an orine at eleva le of oils and vegetable oil	v chemicals a d a few fluoro- ated temperati solvents; esp s. Hot water o las poor resis	re known to chemicals si ures. ecially all ali r hot aqueou tance to oil a	uch as chlorine phatic, aromati is solutions (ov	e trifluoride c and /er 70° F) \ ut is fair in	will		88°C 212°F+ 100°C 212°F+ 100°C 212°F+ 212°F+	-	-23 -35 -37 +32 -10	<u>8°C</u> °F 7°C 2°F 2°F 2°C °F °C		10°C to 6 50°F to 2 10°C to 1 75°F to 2 24°C to 10 50°F to 21	50°C 12°F 00°C 2°F 00°C 2°F 00°C 2°F 2°F
chlorinated HYTREL® C Virgin PTF molten alka oxygen difl VITON® Sh halogenate attack Vitor EPDM Sho ketones an SANTOPRI abrasion re WR-S Warr	Bood c E Che li meta Joride ows g d hydr 1 <sup>®</sup> . ows ve d alco ENE <sup>®</sup> sistan	emica als, tu whic ood r rocarl ery go hols. Injec ce.	sids, bases, a ally inert, virt urbulent liqu th readily libe resistance to bons, acids, bood water ar ction molded alloy Type 31	ually impervi d or gaseou erate free flu o a wide rang animal and nd chemical i I thermoplast 6 Stainless	ous. Very feu s fluorine and orine at eleva le of oils and vegetable oil. resistance. I tic elastomer Steel equal to	v chemicals a d a few fluoro- ated temperati solvents; esp s. Hot water o las poor resis with no fabric o or exceeding	re known to chemicals si ures. ecially all ali r hot aqueou tance to oil a layer. Long	uch as chlorine ohatic, aromati is solutions (ov and solvents, b	e trifluoride c and ver 70° F) \ ut is fair in x life. Exce CF-8M for	will ellent	on resist	88°C 212°F+ 100°C 212°F+ 100°C 4 212°F+ 100°C+ 212°F+ 100°C+		-23 -35 -37 +32 ( -10 -23 -10 -23	<u>8°C</u> 1°F 2°F 2°F 2°F 2°F 2°F °C °F °C °F °C	m nickel,	10°C to 2 50°F to 2 10°C to 1 75°F to 21 24°C to 10 50°F to 21 10°C to 10 50°F to 21 10°C to 10	50°C 12°F 00°C 2°F 00°C 2°F 00°C 2°F 2°F
chlorinated HYTREL® C Virgin PTF molten alka oxygen difl VITON® Sh halogenate attack Vitor EPDM Sho ketones an SANTOPRI abrasion re WR-S Warr based alloy WR-C War	E Che lli meta Joride ows g d hydr n <sup>®</sup> . ows ve d alco ENE <sup>®</sup> sistan ren Ru ren Ru	emica als, tu whic ood r rocarl Injec ce. Injec ce.	sids, bases, a ally inert, virt urbulent liqu th readily libe resistance to bons, acids, cood water ar ction molded uloy Type 31 or general ap uloy "C" equ	ually impervi do or gaseou erate free flu o a wide rang animal and d chemical i d chemical i f thermoplast 6 Stainless pplications. C al to ASTM /	ous. Very fets s fluorine and orine at eleva resistance. H resistance. H tic elastomer Steel equal to Commonly re	v chemicals a d a few fluoro- ated temperati solvents; esp s. Hot water o las poor resis with no fabric o or exceeding ferred to as 3 W-1 specificati	re known to chemicals so ures. ecially all ali r hot aqueou tance to oil a layer. Long g ASTM spec 6 Stainless	uch as chlorine phatic, aromati is solutions (ov and solvents, b mechanical fle	e trifluoride c and /er 70° F) \ ut is fair in x life. Exce CF-8M for mp indust	will ellent r corrosio ry.		88°C 212°F+ 100°C- 212°F+ 100°C4 212°F+ 100°C4 212°F+ 100°C4 212°F+	romium, ir	-23 -35 -37 +32 ( -10 -23 -10' -23 ron chi	<u>8°C</u> °F 2°F 2°F 2°F °C °F °C °F °C °F °C		$\frac{10^{\circ}C \text{ to } \text{ f}}{10^{\circ}C \text{ to } 2^{\circ}}$ $50^{\circ}\text{F to } 2^{\circ}$ $10^{\circ}C \text{ to } 1^{\circ}$ $75^{\circ}\text{F to } 21$ $24^{\circ}C \text{ to } 10^{\circ}$ $50^{\circ}\text{F to } 21$ $10^{\circ}\text{C to } 10^{\circ}$ $50^{\circ}\text{F to } 21$ $10^{\circ}\text{C to } 10^{\circ}$ and nickel	50°C 12°F 00°C 2°F 00°C 2°F 00°C 2°F 2°F

Dimensions are ± 1/8"

Figures in parenthesis = millimeters



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