

Rotary Gear Pumps

Goodbrown & sharpe

Models 1, 2, 3 with spur gears and 4 with helical gears



These models are the most versatile pumps in the BSM line, especially for handling a wide variety of fluids in transfer work, as well as in coolant, lubrication and hydraulic applications in the machine tool and industrial fields.

Model	Part #	Displacement gals. per rev.	Slip gpm/psi	Drive Speed rpm	Mounting	Integral Relief Valve	Rotation
1	713-1-1	0.00515	0.0022	up to 900	Foot	WORV	CW or CCW
	713-1-7				Foot	WRV	CW or CCW
	713-1-4				Foot, WGF	WORV	CW or CCW
	713-1-9				Foot, WGF	WRV	CW or CCW
	713-901-1				Flange	WORV	CW or CCW
	713-901-7				Flange	WRV	CW or CCW
	2				713-2-1	0.01043	0.0023
713-2-7		Foot	WRV	CW or CCW			
713-2-4		Foot, WGF	WORV	CW or CCW			
713-2-9		Foot, WGF	WRV	CW or CCW			
713-902-1		Flange	WORV	CW or CCW			
713-902-7		Flange	WRV	CW or CCW			
3		713-3-1	0.01896	0.0025	up to 900		
	713-3-7	Foot				WRV	CW or CCW
	713-3-4	Foot, WGF				WORV	CW or CCW
	713-3-9	Foot, WGF				WRV	CW or CCW
	713-903-1	Flange				WORV	CW or CCW
	713-903-7	Flange				WRV	CW or CCW
	4	713-4-1				0.02980	0.0080
713-4-7		Foot	WRV	CW or CCW			

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Models 1S, 2S and 3S with helical gears



These models provide quiet operation at standard motor speeds and are particularly suitable for handling oils in the 300 to 750ssu range in transfer, circulating, lubricating and low pressure hydraulic applications.

Model	Part #	Displacement gals. per rev.	Slip gpm/psi	Drive Speed rpm	Mounting	Integral Relief Valve	Rotation
1S	713-10-2	0.00262	0.0024	up to 1800	Foot	WORV	CW
	713-10-3				Foot	WORV	CCW
	713-10-7				Foot	WRV	CW
	713-10-8				Foot	WRV	CCW
	713-910-2				Flange	WORV	CW
	713-910-3				Flange	WORV	CCW
	713-910-7				Flange	WRV	CW
	713-910-8				Flange	WRV	CCW
2S	713-20-2	0.00521	0.0035	up to 1800	Foot	WORV	CW
	713-20-3				Foot	WORV	CCW
	713-20-7				Foot	WRV	CW
	713-20-8				Foot	WRV	CCW
	713-920-2				Flange	WORV	CW
	713-920-3				Flange	WORV	CCW
	713-920-7				Flange	WRV	CW
	713-920-8				Flange	WRV	CCW
3S	713-30-2	0.00947	0.0026	up to 1800	Foot	WORV	CW
	713-30-3				Foot	WORV	CCW
	713-30-7				Foot	WRV	CW
	713-30-8				Foot	WRV	CCW
	713-930-2				Flange	WORV	CW
	713-930-3				Flange	WORV	CCW
	713-930-7				Flange	WRV	CW
	713-930-8				Flange	WRV	CCW

Hose Protective Wrap



Spiral Hose Wrap

Also commonly known as Omniwrap, this solution provides a convenient way to protect your hydraulic and pneumatic hoses from premature failures.

The high density polyethylene construction provides protection from cuts, abrasions, crushing, ultraviolet rays and other hazards.

Specifications

Standard Color:
UV Resistant Black

Standard Material:
High Density Polyethylene

Temperature Resistance:
-100°F to 220°F (-73°C to 104°C)

Inner Diameter		Wall Thickness	
in.	mm.	in.	mm
1/2	12.70	0.069	1.75
2/3	16.76	0.086	2.18
3/4	19.05	0.122	3.10
1	25.40	0.118	3.00
1-1/4	31.75	0.132	3.35
1-1/2	25.40	0.140	3.56
1-5/8	40.64	0.150	3.81
2	50.80	0.160	4.06
4	101.60	0.250	6.35

Matting

Regular Matting

Part #	Description	Weight (lbs.)
MATIN-3B	Anti-Fatigue Interlock Mat 3' x 3'	17
MATIN-3R	Red O/R Interlock Mat 3' x 3'	17
MATN-013-36	1/8" Narrow Rib Mat 36" x 75'	0.83
MATW-013-36	1/8" Wide Rib Mat 36" x 75'	0.83
MATW-013-48	1/8" Wide Rib Mat 48" x 75'	0.83



Regular SBR Skirtboard

Skirtboard

Part #	Thickness	Width	Weight (lbs.)
SK-025-4	1/4"	4"	0.67
SK-025-5	1/4"	5"	0.83
SK-025-6	1/4"	6"	1.00
SK-025-8	1/4"	8"	1.33
SK-025-12	1/4"	12"	2.00
SK-038-4	3/8"	4"	1.00
SK-038-6	3/8"	6"	1.50
SK-038-8	3/8"	8"	1.60
SK-038-12	3/8"	12"	3.00
SK-050-4	1/2"	4"	1.33
SK-050-5	1/2"	5"	1.66
SK-050-6	1/2"	6"	2.00
SK-050-7	1/2"	7"	2.50
SK-050-8	1/2"	8"	3.00
SK-050-10	1/2"	10"	3.50
SK-050-12	1/2"	12"	4.00
SK-075-4	3/4"	4"	2.00
SK-075-6	3/4"	6"	3.00
SK-075-7	3/4"	7"	6.00
SK-075-8	3/4"	8"	3.50
SK-075-12	3/4"	12"	6.00
SK-100-4	1"	4"	3.50
SK-100-6	1"	6"	4.00
SK-100-8	1"	8"	5.00

Characteristics:

- Durometer Shore A: 55
- Color: Black
- Elongation %: 250
- Tensile PSI: 500
- Temperature: -20°C to 75°C
(-4°F to 170°F)



**Series 2 Butterfly Valve
2 Piece Stem**

Maximum Working Pressure - 232 PSI (Standard)
Maximum Working Pressure - 285 PSI (Optional)

FEATURES

- * Available in Wafer or Lug Body
- * Bubble tight and Bi-directional to 232 PSI (285 PSI also available upon request)
- * Consult supplier for vacuum service
- * Standard dead-end service for lug style with downstream flange removed
- * Compatible with ASME 125/150 flanges
- * Tested to API 598, conforms to API 609 and MSS-SP25
- * Phenolic backed seat provides dimensionally stable seating surface, minimal sweat wear and extended seat life
- * Seats are easily field replaceable
- * Blow-out proof design
- * All valve bodies are epoxy coated
- * ISO 5211 mounting flange allowing easy actuation
- * Locking lever handle with 10 position notchplate and infinite memory stop on sizes 2" - 8"
- * Gear Operator with handwheel on sizes 8" - 12", handle operator available on request
- * Actuation available to suit any requirement



	Material	ASTM
BODY	Cast Iron	A126-B
	Ductile Iron	A536-65-45-12
	Carbon Steel	A216
	Stainless Steel	A351-CF8M
DISC	Ductile Iron - ENP	A536-ENP
	316 Stainless Steel	A351-CF8M
	Aluminum Bronze	A339-80-45-10
	Alloy 20	A351-CN7M
	Monel	A494-M35
	Hastelloy C-276	A494-CW-6M
SHAFT	316 Stainless Steel	A182-F316
	416 Stainless Steel	A582
	17-4 Stainless Steel	A564
BUSHINGS	Bronze	B62
	PTFE	
SEAT/LINER	Buna-N	0-180 Deg. F/ (-18 Deg.) - 80 Deg. C
	EPDM	(-30 Deg.) - 275 Deg. F/ (-35 Deg.) - 135 Deg. C
	Viton	0 Deg. - 400 Deg. F./ (-18 Deg.) - 204 Deg. C
	Hypalon	(-20 Deg.) - 200 Deg. F/ (-30 Deg.) - 90 Deg. C
	PTFE Lined EPDM (125 PSI rated only)	0 - 250 Deg. F/ (-18 Deg.) - 120 Deg. C



Brass Ball Valve

Part #	Description
BV04	1/4" FULL PORT BRASS BALL VALVE
BV06	3/8" FULL PORT BRASS BALL VALVE
BV08	1/2" FULL PORT BRASS BALL VALVE
BV12	3/4" FULL PORT BRASS BALL VALVE
BV16	1" FULL PORT BRASS BALL VALVE
BV20	1 1/4" FULL PORT BRASS BALL VALVE
BV24	1 1/2" FULL PORT BRASS BALL VALVE
BV32	2" FULL PORT BRASS BALL VALVE
BV40	2 1/2" FULL PORT BRASS BALL VALVE
BV48	3" FULL PORT BRASS BALL VALVE
BV64	4" FULL PORT BRASS BALL VALVE



Features

- **Full Port**
- **Bronze body**
- **BlowOut proof stem**
- **Teflon Seats**
- **ASTM B62 85/5/5/5**
- **Conforms to MSS-SP-1 10 Specifications**
- **Threaded Ends Comply w/ ANSI B2.1**