SYSTEMS LLC

1/4" -1" POLY MICRO VALVES

FEATURES

- 90° rotating handle
- Precision molded polypropylene is reinforced with fiberglass for additional strength.
- Standard FKM seats and O-Rings except 1". 1" has PTFE seats and O-Rings.



The brand "John Guest" is a registered trademark of John Guest International Limited.



MICRO VALVES									
PART NO	DESCRIPTION	MAX PSI	THREAD SIZE	OPENING THRU BALL	QTY				
LV025V	1/4" FEMALE NPT MICRO VALVE	300	1/4"	3/8"	1				
LV038V	3/8" FEMALE NPT MICRO VALVE	300	3/8"	3/8"	1				
LV050V	½" FEMALE NPT MICRO VALVE	300	1/2"	15/32"	1				
LV050SLV	½" SIDE LOAD MICRO VALVE	300	1/2"	1/2"	1				



MICRO VALVES									
PART NO	DESCRIPTION	MAX PSI	THREAD SIZE	OPENING THRU	QTY				
LVHB025V	1/4" HOSE BARB MICRO VALVE	300	1/4"	3/8"	1				
LVHB038V	3/8" HOSE BARB MICRO VALVE	300	3/8"	3/8"	1				
LVHB050V	½" HOSE BARB MICRO VALVE	300	1/2"	3/8"	1				
LVHB075V	3/4" HOSE BARB MICRO VALVE	300	3/4"	15/32"	1				

MICRO VALVES



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PART NO	DESCRIPTION	MAX PSI	THREAD SIZE	OPENING THRU BALL	QTY		
LV025MTV	1/4" FEMALE X MALE NPT MICRO VALVE	300	1/4"	3/8"	1		
LV038MTV	MTV 3/8" FEMALE X MALE NPT MICRO VALVE		3/8"	3/8"	1		
LV038050MTV	3/8" FEMALE X 1/2" MALE NPT MICRO VALVE	300	3/8" x 1/2"	3/8"	1		
LV050MTV	1/2"FEMALE X MALE NPT MICRO VALVE	300	1/2"	15/32"	1		
LV050100MTV	1/2" FEMALE X 1" MALE NPT MICRO VALVE	300	1/2"	15/32"	1		



MICRO VALVES										
PART NO	DESCRIPTION	MAX PSI	THREAD SIZE	OPENING THRU BALL	QTY					
LVHB038050MTV	%"HOSE BARB X½" MALE NPT MICRO VALVE	300	1/2"	3/8"	1					
LVHB075MTV	3/4" HOSE BARB X 3/4" MALE NPT MICRO VALVE	300	3/4"	1/2"	1					
LVHB075100MTV	3/4" HOSE BARB X 1" MALE NPT MICRO VALVE	300	1"	15/32"	1					



MICRO VALVES									
PART NO DESCRIPTION MAX PSI THREAD OPENING THRU BALL									
LVPL038MPTV	%" FEMALE PUSH LOCK X %" NPT MICRO VALVE FKM	150	3/8"	3/8"	1				
LVPL038025MPTV	3/8" FEMALE PUSH LOCK X 1/4" NPT MICRO VALVE FKM	150	1/4"	3/8"	1				



	MICRO VALVES										
PART NO	DESCRIPTION	THREAD SIZE	OPENING THRU BALL	QTY							
LVPL025V	1/4" FEMALE PUSH LOCK MICRO VALVE	150	1/4"	3/8"	1						
LVPL038V	3/8" FEMALE PUSH LOCK MICRO VALVE	150	3/8"	3/8"	1						
LVPL050V	½" FEMALE PUSH LOCK MICRO VALVE	150	1/2"	15/32"	1						



MICRO VALVES								
PART NO DESCRIPTION MAX THREAD OPENING THRU QUESTION PSI SIZE BALL								
MLV100V	1" MANIFOLD MICRO VALVE	300	1"	1/2"	1			







	4 BOLTED VALVES									
PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU	QTY	REPLACEMENT HANDLE	REPAIR KIT			
V050	½" FULL PORT VALVE	300	1/2"	3/4"	24/box	V10153A	V07200			
V075	3/4" FULL PORT VALVE	300	3/4"	3/4"	24/box	V10153A	V07200			
V100	1" STANDARD PORT VALVE	225	1"	3/4"	24/box	V10153A	V07200			
V100FP	1" FULL PORT VALVE	300	1"	1"	24/box	V10153A	V10200			
V125	11/4" STANDARD PORT VALVE	300	11/4"	1"	24/box	V10153A	V10200			
V125FP	11/4" FULL PORT VALVE	225	11/4"	11/2"	24/box	V20153	V20200			
V150	1½" FULL PORT VALVE	225	1½"	1½"	24/box	V20153	V20200			
V200	2" STANDARD PORT VALVE	225	2"	1½"	24/box	V20153	V20200			

FEATURES

- FKM seals.
- Precision molded polypropylene is reinforced with fiberglass for additional strength.

1/2" - 2" 4 BOLTED VALVES

- Self-aligning ball moves freely against the PTFE seats for smooth operation. The valve opens and closes with very little pressure on the handle.
- Ball is diamond turned, after molding, to make it spherically perfect, which provides precise contact between ball and seats.
- PTFE self-lubricating stem bushings and seats cannot stick or bind.
- Stainless steel bolts.

REPAIR KIT INCLUDES:

- Ball
- Body gasket
- Thrust washer
- Ball seats
- Upper stem bushing
- Stem o-ring









VALVE ACCESSORIES								
PART NO	DESCRIPTION	FITS VALVES	QTY					
VL20153	LOCKING DEVICE	V125, V150, V200	1					
V10270	STRAIGHT MOUNTING BRACKET	V100FP, V125	1					
V10271	90° MOUNTING BRACKET	V100FP, V125	1					
V25270	STRAIGHT MOUNTING BRACKET	V125FP, V150, V200	1					
V25271	90° MOUNTING BRACKET	V125FP, V150, V200	1					
V10153138	1" X 1%" HANDLE OFFSET	V100FP, V125	1					
V20153138	2" FP X 13/8" HANDLE OFFSET	V125FP, V150, V200	1					
V25153138	2" FP X 1%" HANDLE OFFSET	V200FP	1					

VALVE ACCESSORIES

- 304 stainless steel construction
- Installs under valve handle
- Comes complete with handle and locking device
- Padlock not included



SYSTEMS LLC

2"-4" 6 BOLTED VALVES

FEATURES

- FKM seals.
- Precision molded polypropylene is reinforced with fiberglass for additional strength.
- Self-aligning ball moves freely against the PTFE seats for smooth operation. The valve opens and closes with very little pressure on the handle.
- Ball is diamond turned, after molding, to make it spherically perfect, which provides precise contact between ball and seats
- PTFE self-lubricating stem bushings and seats cannot stick or bind.
- Stainless steel bolts.

REPAIR KIT INCLUDES:

- Ball
- Body gasket
- Thrust washer
- Ball seats
- · Upper stem bushing
- Stem o-ring



	6 BOLTED VALVES									
PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY	REPLACEMENT HANDLE	REPAIR KIT			
V200FP	2" FULL PORT VALVE	225	2"	2"	8/box	V25153	V25200			
V300	3" STANDARD PORT VALVE	225	3"	2½"	8/box	V25153	V30200			
V300FP	3" FULL PORT VALVE	200	3"	3"	6/box	V25153	V35200			
V400	4" STANDARD PORT VALVE	100	4"	31/2"	4/box	V25153	V40200			
VFMT200FP	2" FULL PORT VALVE W/ F ADAPTER	225	2"	2"	6/box	V25153	V25200			

VALVE ACCESSORIES

- Stainless steel hardware
- Locks in open and closed positions
- Locking handle replaces standard handle (sold separately)
- Padlock not included







VALVE ACCESSORIES								
PART NO	DESCRIPTION	FITS VALVES	QTY					
VL25153	LOCKING HANDLE	V200FP, V300, V300FP, V400, VFMT200FP, VFMT200FPSH	1					
V25270	STRAIGHT MOUNTING BRACKET	V200FP, V300, V300FP, V400, VFMT200FP, VFMT200FPSH	1					
V25271	90° MOUNTING BRACKET	V200FP, V300, V300FP, V400, VFMT200FP, VFMT200FPSH	1					







	4 BOLTED FULL PORT VALVES								
PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY	REPLACEMENT HANDLE	REPAIR KIT		
VFMT204FP	2" FULL PORT VALVE MALE NPT X MALE ADAPTER	150	2"	2"	6/box	V25153	V25200		
V204FP	2" FULL PORT VALVE	150	2"	2"	8/box	V25153	V25200		





VSMT200FPAF

	4 BOLTED FULL PORT VALVES									
PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY	REPLACEMENT HANDLE	REPAIR KIT			
VSF200FPAF	2" FULL PORT VALVE MALE ADAPTER X 2" ANSI FLANGE	200	2"	2"	6/box	V25153SH	VS25200			
VSMT200FPAF	2" FULL PORT VALVE	200	2"	2"	6/box	V25153SH	VS25200			

2" FULL PORT BOLTED BALL VALVES

FEATURES

- FKM seals
- Stainless steel bolts
- PTFE self-lubricating stem bushings and seats cannot stick or bind
- Precision molded in fiberglass reinforced polypropylene
- Self-aligning ball moves freely against the PTFE seats for smoother operation
- Valve opens and closes with very little pressure on the handle
- Ball is diamond turned after molding to make it spherically perfect, which provides precise contact between ball and seats

REPAIR KIT INCLUDES:

- Ball
- Body gasket
- Thrust washer
- Ball seats
- Upper stem bushing
- Stem o-ring

2" FULL PORT ANSI FLANGE BOLTED BALL VALVES

FEATURES

- 100% PTFE seats
- FKM seals
- Glass-filled polypropylene
- Unique compact design
- Lightweight
- Gaskets featured on page 73

- Ball
- Body gasket
- Thrust washer
- Ball seats
- Upper stem bushing
- Stem o-ring



SYSTEMS LLC

2" STANDARD PORT STUBBY BALL VALVES

FEATURES

- Stainless steel bolts
- Glass reinforced polypropylene
- Multiple design options
- Unique patented compact design
- Lightweight
- All PTFE seals

- Ball
- Body gasket
- Thrust washer
- Ball seats
- Upper stem bushing
- Stem o-ring



	2" STANDARD PORT STUBBY VALVES											
PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY	REPLACEMENT HANDLE	REPAIR KIT					
VSF200	2" MALE ADAPTER X 2" FEMALE NPT	100	2"	11/2"	24/box	VS20152SH	VS20200					
VSMT200	2" MALE NPT X 2" FEMALE NPT	100	2"	11/2"	24/box	VS20152SH	VS20200					
VSFMT200	2" MALE ADAPTER X 2" MALE NPT	225	2"	11/2"	24/box	VS20152SH	VS20200					
VSFHB200	2" MALE ADAPTER X 2" HOSE BARB	100	2"	11/2"	24/box	VS20152SH	VS20200					











VSF204FP







VSFMT204FP

VSFMT204HSFP

2" STANDARD PORT STUBBY VALVES OPENING THRU BALL REPLACEMENT HANDLE MAX PSI PIPE SIZE REPAIR KIT PART NO DESCRIPTION QTY VSMT204FP 2" MALE NPT X 2" FEMALE NPT 200 2" 2" 18/BOX VS25153 VS25200 VSF204FP 2" MALE ADAPTER X 2" FEMALE NPT 100 2" 2" 18/BOX VS25153 VS25200 VS204FP 2" FEMALE NPT X 2" FEMALE NPT 225 2" 18/BOX VS25153 VS25200 VSFMT204FP 2" MALE ADAPTER X 2" MALE NPT 150 2" 2" 18/BOX VS25153 VS25200 2" FP MALE ADAPTER X 2" MALE NPT W/ SS BALL, STEM & HANDLE VSFMT204HSFP 150 18/BOX VS25153SS VSSH25200

2" FULL PORT STUBBY BALL VALVES

FEATURES

- Stainless steel bolts
- 100% PTFE ball seats
- Glass reinforced polypropylene
- Unique patented compact design
- Lightweight
- FKM body seals

- Ball
- Body gasket
- Thrust washer
- Ball seats
- Upper stem bushing
- · Stem o-ring



FLEETCLEAN SYSTEMS LLC

3" STANDARD PORT STUBBY BALL VALVES

FEATURES

- Stainless steel bolts
- Glass reinforced polypropylene
- FKM body seals
- Unique patented compact design
- Lightweight
- All PTFE seals



- Ball
- Body gasket
- Thrust washer
- Ball seats
- Upper stem bushing
- Stem o-ring



	3" STANDARD PORT STUBBY VALVES										
PART NO	DESCRIPTION			REPLACEMENT HANDLE SHORT	REPAIR KIT						
VSF300	3" FEMALE NPT X 3" MALE ADAPTER	100	3"	21/2"	6/box	V25153	V25153SH	VS30200			
VSMT300	3" FEMALE NPT X 3" MALE NPT	100	3"	21/2"	6/box	V25153	V25153SH	VS30200			
VSFMT300	3" MALE NPT X 3" MALE ADAPTER	225	3"	21/2"	6/box	V25153	V25153SH	VS30200			

3" FULL PORT STUBBY BALL VALVES

FEATURES

- Stainless steel bolts
- · Glass reinforced polypropylene
- FKM body seals
- Unique patented compact design
- Lightweight
- All PTFE ball seats

- Ball
- Body gasket
- Thrust washer
- Ball seats
- · Upper stem bushing
- Stem o-ring



	3" FULL PORT STUBBY VALVES									
PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY	REPLACEMENT HANDLE	REPAIR KIT			
VSFMT300FP	3" FULL PORT MALE ADAPTER X 3" MALE NPT	100	3"	3"	6/box	V25153	VS35200			
VSFMT300HSFP	3" FULL PORT MALE ADAPTER X 3" MALE NPT W/SS BALL, STEM & HANDLE	100	3"	3"	6/box	VS30153SS	VSSH35200			











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3 WAY BOTTOM LOAD VALVES OPFNING REPLACEMENT PIPE HANDLE REPAIR MAX PART NO DESCRIPTION QTY THRU SIZE HANDLE PSI TYPE KIT BALL V075BL 3/4" 3-WAY BOTTOM LOAD VALVE 200 3/4" 1" 18/hox Т V10353TB V10300SL Т V100BL 1" 3-WAY BOTTOM LOAD VALVE 225 1" 1" 18/box V10353TB V10300SL V125BL 11/4" 12/box Т V20353TB V15300SL 11/4" 3-WAY BOTTOM LOAD VALVE 300 11/2" V150BL 11/2" 3-WAY BOTTOM LOAD VALVE 225 11/2" 11/2" 12/box Т V20353TB V15300SL V200BL 2" 3-WAY BOTTOM LOAD VALVE 2" 2" 8/box STRAIGHT V25353B V25200BL

3 WAY BOTTOM LOAD **BALL VALVES**

FEATURES

- Stainless steel bolts
- Precision molded in fiberglass reinforced polypropylene for additional strength
- Self-aligning ball moves freely against the PTFE seats for smooth operation
- Ball is diamond turned after molding to make it spherically perfect, which provides precise contact between ball and seats
- PTFE self-lubricating stem bushings and seats
- FKM body seals
- Directional flow, right or left. Valve can be turned off to stop





	3 WAY SIDE LOAD VALVES											
PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY	HANDLE TYPE	REPLACEMENT HANDLE	REPAIR KIT				
V075SL	3/4" 3-WAY SIDE LOAD VALVE	200	3/4"	1"	18/box	STRAIGHT	V10153A	V10300SL				
V100SL	1" 3-WAY SIDE LOAD VALVE	200	1"	1"	18/box	STRAIGHT	V10153A	V10300SL				
V125SL	11/4" 3-WAY SIDE LOAD VALVE	300	11/4"	11/2"	12/box	T	V20353TS	V15300SL				
V150SL	11/2" 3-WAY SIDE LOAD VALVE	225	11/2"	1½"	12/box	Т	V20353TS	V15300SL				
V200SL	2" 3-WAY SIDE LOAD VALVE	225	2"	2"	8/box	STRAIGHT	V25153SH	V25200BL				

3 WAY SIDE LOAD **BALL VALVES**

- Stainless steel bolts
- Precision molded in fiberglass reinforced polypropylene for additional strength
- Self-aligning ball moves freely against the PTFE seats for smooth operation
- Ball is diamond turned after molding to make it spherically perfect, which provides precise contact between ball and seats
- PTFE self-lubricating stem bushings and seats
- FKM body seals
- Directional flow, right or left. Valve cannot be turned off to stop flow



FLEETCLEAN SYSTEMS LLC

11/2" - 2" NOZZLE VALVES

FEATURES

- Lightweight hose end valve for convenient transfer of liquids into drums, tanks etc
- Angled end flange with 8" long polypropylene fill spout
- · All stainless steel bolts



- Ball
- Body gasket
- Thrust washer
- Ball seats
- · Upper stem bushing
- Stem o-ring



	1½"-2" NOZZLE VALVES										
PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	FEMALE NPT	QTY	REPLACEMENT HANDLE	REPAIR KIT			
VA150	1½" NOZZLE VALVE WITH 90° ELBOW	225	1½" x 8"	11/2"	11/2"	12/box	V20152	V20200			
VA200	2" NOZZLE VALVE WITH 90° ELBOW	200	2" x 8"	11/2"	2"	12/box	V20152	V20200			
VA200FP	2" FP NOZZLE VALVE WITH 90° ELBOW	225	2" x 8"	2"	2"	6/box	V25152	V25200			

1" DISPENSING NOZZLES

FEATURES

- · Glass reinforced polypropylene
- 304 stainless steel handle, spring and pin
- FKM rubber parts only
- Resists corrosion

REPAIR KIT INCLUDES:

- Ball
- Body gasket
- Thrust washer
- Ball seats
- Upper stem bushing
- · Stem o-ring



VN100 V10161

	1" DISPENSING NOZZLE										
PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	FEMALE NPT	QTY	REPLACEMENT HANDLE	REPAIR KIT			
VN100	1" DISPENSING NOZZLE	150	1"	N/A	1"	1	VN10253	VN10200			
V10161	1" NOZZLE PIPE FOR USE WITH V100, V100FP, UV100FP, SUV100FP	N/A	1"	N/A	1"	1					





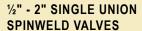




SUV125FP

MSUV100FP

1/2"-2" SINGLE UNION SPINWELD VALVES									
PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY				
SUV050FP	½" FULL PORT SINGLE UNION SPINWELD VALVE	300	1/2"	1/2"	1				
SUV075FP	3/4" FULL PORT SINGLE UNION SPINWELD VALVE	300	3/4"	3/4"	1				
SUV100FP	1" FULL PORT SINGLE UNION SPINWELD VALVE	300	1"	1"	1				
SUV125FP	1¼" FULL PORT SINGLE UNION SPINWELD VALVE	300	11/4"	11/4"	1				
SUV150FP	11/2" FULL PORT SINGLE UNION SPINWELD VALVE	300	1½"	11/2"	1				
SUV200FP	2" FULL PORT SINGLE UNION SPINWELD VALVE	200	2"	2"	1				
MSUV100FP	1" MANIFOLD FULL PORT SINGLE UNION SPINWELD VALVE	300		1"	1				



FEATURES

- Precision molded in glass reinforced polypropylene for strength and chemical resistance
- PTFE seats for smooth and proper sealing characteristics
- EPDM O-rings to handle most fertilizers and many chemicals
- Double O-rings in stem area for extra sealing protection
- Interlocking body and end plate to allow easy thread connection when installing valves



	1/2"-2" SINGLE UNION VALVES								
PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY				
UV050FP	½" FULL PORT SINGLE UNION VALVE	300	1/2"	3/4"	1				
UV075FP	3/4" FULL PORT SINGLE UNION VALVE	300	3/4"	3/4"	1				
UV100FP	1" FULL PORT SINGLE UNION VALVE	300	1"	1"	1				
UV125FP	11/4" FULL PORT SINGLE UNION VALVE	225	11/4"	11/4"	1				
UV150FP	1½" FULL PORT SINGLE UNION VALVE	200	1½"	11/2"	1				
UV200FP	2" FULL PORT SINGLE UNION VALVE	300	2"	2"	1				

1/2" - 2" SINGLE UNION VALVES

- Precision molded in glass reinforced polypropylene for strength and chemical resistance
- PTFE seats for smooth and proper sealing characteristics
- Double O-rings in stem area for extra sealing protection
- Interlocking body and end plate to allow easy thread connection when installing valves

