

# Worm Gear Data and Specifications for K-Flo 800 Series Plug Valves

## Standard Worm Gear

Rugged cast iron construction to IP67. Exposed parts corrosion resistant or protected with paint

Large raised indicator of non-corrosive material for remote visibility

On center line position indicator

High efficiency gearing and bearing systems to reduce input effort and handwheel size

Grease lubricated for life

Adjustable stop screws sealed with protective caps

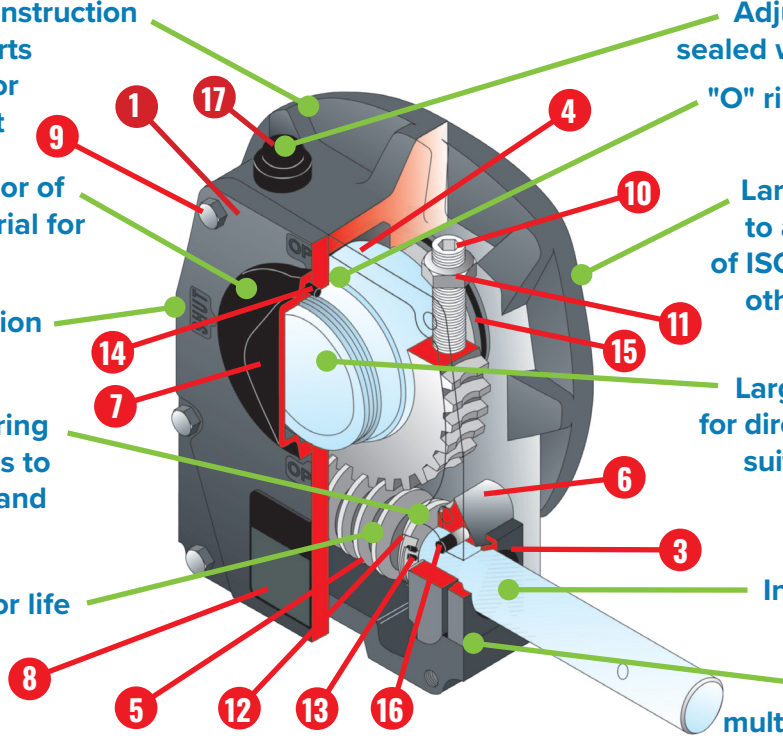
"O" ring sealing indicator to cover face

Large mounting flange to accept up to 3 sizes of ISO bolt patterns, plus other existing industry standards

Large output drive bore for direct customization to suit valve stem, or with separate removable drive bushing

Input shaft protected against corrosion

Input shaft lip with multiple sealing surfaces



PARTS LIST		
ITEM	DESCRIPTION	MATERIAL
1	COVER	CI BSI452 Gr 260
2	GEARCASE	CI BSI452 Gr 260
3	WS OILSEAL	Hytrell 5526
4	QUADRANT	DI BS2789 Gr 500/7
5	WS	AISI 1045 Steel
6	WS BEARINGS	SIC FC02540
7	INDICATOR CUP	IMP Acetal Kematal WR90
8	NAMEPLATE	Self Adhesive Aluminum
9	COVER SCREWS	HHSS BS3692 Gr 8.8
10	STOPSCREWS	SSS BS4168 Pt 2
11	LOCKNUT (LN)	Hex Locknut BS3692
12	BEARING TW	Needle TW Type AS
13	T BEARINGS	Needle TB Type AXK
14	INDICATOR O-R	Med. Nitrile 60-80 SH
15	QUADRANT O-R	Med. Nitrile 60-80 SH
16	DOWELS	H&G S BS7055 Type A
17	LN PROT. CAPS	IMP LD Polyethylene

GEARBOX SPECIFICATIONS									
MODEL	SIZE	R	MA	M/O (LBS)	BC	MSH	H/W DIA	RP	NT
PVG2-3	2 1/2	37	11.6	4425	FA10	2.13	8	17	6
PVG2-3	3	37	11.6	4425	FA10	2.13	8	17	6
PVG4-6	4	34	12	8851	FA12	3.11	8	25	8
PVG4-6	5	34	12	8851	FA12	3.11	8	56	19
PVG4-6	6	34	12	8851	FA12	3.11	8	56	19
PVG8-12	8	38	13.2	17701	FA14	3.23	20	45	37
PVG8-12	10	38	13.2	17701	FA14	3.23	20	67	56
PVG8-12	12	38	13.2	17701	FA16	3.23	32	79	106

**PARTS LIST LEGEND:** WS: Wormshaft • TW: Thrust Washers  
 CI: Cast Iron • DI: Ductile Iron  
 SIC: Sintered Iron Copper • IMP: Injection Molded Plastic  
 LN: Locknut • H&G: Hardened & Ground • LD: Low Density

**SPECIFICATIONS LEGEND:** R: Ratio • MA: Maximum Advantage  
 M/O: Maximum Output • BC: Bolt Circle  
 MSH: Maximum Stem Height • RP: Rim Pull • NT: Nut Torque

Certified Dimensions Available Upon Request.



<b>PRODUCT LINE</b> Standard Worm Gear for K-Flo 800 Series	<b>DATE</b> 6/21/23	<b>REVISION</b> 1
<b>SHEET</b> Worm Gear Design Features	<b>DOC. NO.</b> D-PV-800-WG-DF-r1	