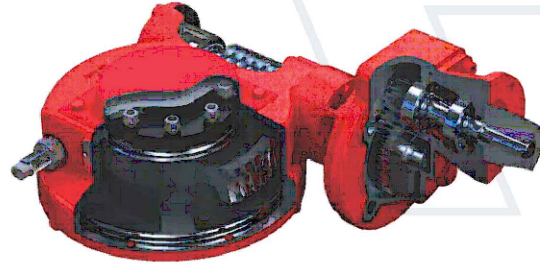




Keeping the World Flowing
for Future Generations



IW Series AWWA

C504 and C517 Quarter-Turn
Worm Gear Operator

Material Specification

Component	Material	Specification / Notes
Gearcase	Ductile Iron	ASTM A536 65-45-12
Baseplate	Cast Iron	ASTM A48 35B/40B
Worm Shaft	Steel	ASTM A29 4140
Quadrant	Ductile Iron (Manganese Bronze for IW55)	ASTM A536 100-70-03 (ASTM B584 UNS C86300)
Position Indicator	Steel	AISI 1023
Drive sleeve	Steel	AISI 1023, AISI 1040 or AISI 1055 (All with self-lubricating surface treatment)
Bearings	Steel	Angular Contact
O-Ring seals	Nitrile	
Fasteners	Stainless Steel	ASTM A276 316
Grease	Renolit CL-X2	
Input Shaft	Stainless Steel	ASTM A276 431

VALVE SIZE	FLANGED VALVE MODEL #	MJ VALVE MODEL #	Rotork Model #	# OF TURNS	PRESSURE RATING (PSI)		ABOVE GROUND SERVICE CODES							BURIED SERVICE CODES	
					REVERSE	DIRECT	STANDARD HW GEAR CODE	HAND WHEEL DIA.	HW PART #	STANDARD CHAIN WHEEL CODE	CHAIN WHEEL DIA	CW PART #	2" NUT GEAR CODE (A.G)	2" NUT (B.S.)	2" NUT PART # (2)
24	5624F	5724F	IW7/IR2	96	50	150	1R24	24	HW24-6	1R24C	24	ACW24-6	1R02	2R02	AN02Z021
					100	150	1S24	24	HW24-6	1S24C	24	ACW24-6	1S02	2S02	AN02Z021
					150	150	1T24	24	HW24-6	1T24C	24	ACW24-6	1T02	2T02	AN02Z021
30	5630F	5730F	IW8/IR2	192	50	150	1U24	24	HW24-6	1U24C	24	ACW24-6	1U02	2U02	AN02Z021
					100	150	1V24	24	HW24-6	1V24C	24	ACW24-6	1V02	2V02	AN02Z021
					150	150	1W24	24	HW24-6	1W24C	24	ACW24-6	1W02	2W02	AN02Z021
36	5636F	5736F	IW9/IR3	261	50	150	1X24	24	HW24-6	1X24C	24	ACW24-6	1X02	2X02	AN02Z021
					100	150	1Y24	24	HW24-6	1Y24C	24	ACW24-6	1Y02	2Y02	AN02Z021
					150	150	1Z24	24	HW24-6	1Z24C	24	ACW24-6	1Z02	2Z02	AN02Z021

NOTES:

- Rotork is a register trademark of Rotork plc. For the latest details on the actuators, visit www.Rotork.com. This document has been compiled for the convenience of Val-Matic customers.
- The 2" nut is attached to the gear prior to shipment from the Val-Matic factory.

24"-36" F-SERIES PLUG VALVE WORM GEAR ACTUATOR

DATE 1/16/2025



VALVE AND MANUFACTURING CORP.

DRWG. NO.

VM-PV-1R00