Neles Easyflow™ manual valve gear
Series MEG

The quater-turn MEG series manual gear has been engineered to meet the general service requirements of industrial environment. It has a cast iron body construction and high performance axial bearings to enable smooth and accurate operation. Corrosion protection is achieved by polyurethane painting. These gear operators are well suited for water and waste water, sewage treatment, mining, fuel oil and gas, cooling or chilled water circuits, desalination, HVAC, cement and other fine powders, mild corrosive chemicals and petrochemical applications. MEG series manual gears are IP65 capable and achieves exceptional durability.



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Features and general specification

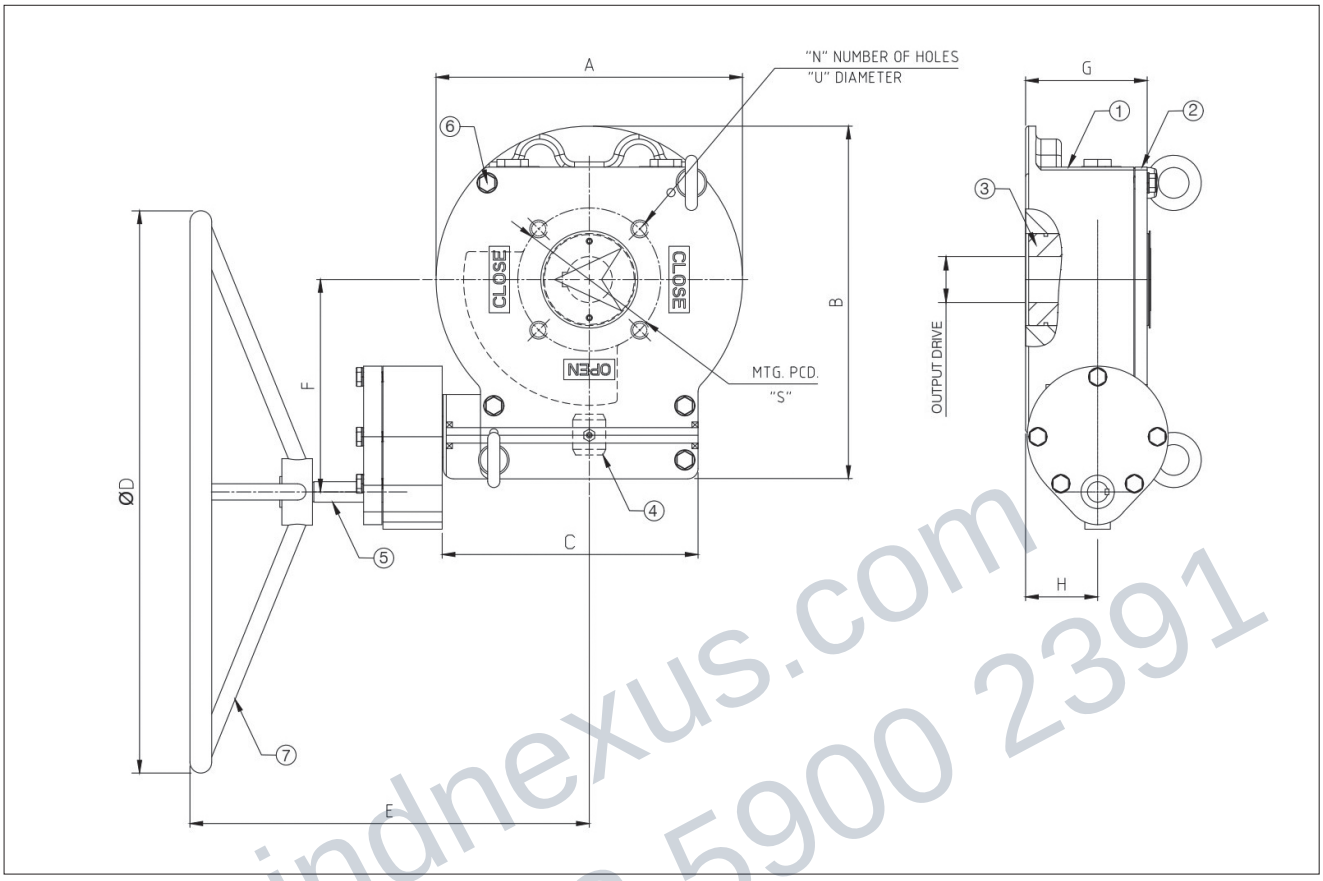
- Sealed to IP65
- Steel indicator cap as standard
- Self locking/high efficiency
- Cast iron enclosure, steel input shaft
- 90° ± 5° (adjustable) travel
- Up to 8500 Nm / 6269 ft-lb output torque
- -20...+85°C / -4...+185°F temperature range for continuous operation
- Grease filled for life, thus maintenance free
- Color Sky Blue RAL 5015

Options

- Optional Input padlock flange
- Optional Chainwheel operation with and without padlock flange

Model	Ratio	Torque output		Torque input		M.A. ±10%	Weight		Truns to close
		N.m	ft-lb	N.m	ft-lb		kg	lb	
25014	42:1	250	184	25	18	9.8	2.75	6.2	11
25017	42:1	250	184	25	18	9.8	2.75	6.2	11
50017	40:1	500	368	51	37	9.8	4.5	9.9	10
50022	40:1	500	368	51	37	9.8	4.5	9.9	10
75022	46:1	750	553	65	48	11.5	5.6	12.3	12
1000	46:1	1000	737	83	61	12	10	22	12
1500	62:1	1500	1106	93	69	16	16	35.3	16
4000	87:01	4000	2950	181	134	22	40	88.2	22
5500	220:1	5500	4056	110	81	50	53	117	55
8500	286:1	8500	6269	116	85	73	74	163	72

Dimensions



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GEAR MODEL	OUTPUT DRIVE SIZE (FEMALE)	MOUNTING FLANGE ISO 5211	Dimension 'mm'								S	N	U
			A	B	C	ØD	E	F	G	H			
25014	14 mm square	F05	90	100	90	200	216	43.6	53.5	27.5	50	4	M6
25017	17 mm square	F07	90	100	90	200	216	43.6	53.5	27.5	70	4	M8
50017	17 mm square	F07	110	121	110	300	228	55	60	33	70	4	M8
50022	22 mm square	F10	110	121	110	300	228	55	60	33	102	4	M10
75022	22 mm square	F10	116	149	104	400	261.5	62	64	36	102	4	M10
1000	45 mm diameter	F14	160	166	122	450	333.5	69.75	80	48	140	4	M16
1500	45 mm diameter	F14	191	211	139	500	294	95	88.5	55	140	4	M16
4000	45 mm diameter	F14	300	332	213	700	370	153.75	119	71	140	4	M16
5500	45 mm diameter	F14	300	345	250	550	390	207.71	119	70.5	140	4	M16
8500	70 mm diameter	F16	345	392	257	600	385.5	231.47	147	89.5	165	4	M20

Parts list

Sr. No.	Description	Material	Freezed MOC
1	Housing	Cast Iron	FG 220
2	Cover	Cast Iron	FG 220
3	Worm Wheel	Ductile Iron	SG 500/7
4	Worm	Steel	EN8
5	Shaft	Steel	SS 410
6	Bolt & Nuts	Steel	SS 304
7	Hand wheel	Mild Steel	Fabricated

How to order

1.	2.	3.	4.	5.	6.	7.
MEG	25017					

1.	Product series
MEG	Series MEG, manual gear operator for rotary valves with mounting base dimensions as per ISO 5211 (Neles Easyflow™)

2.sign	Output torque	Drive size	ISO 5211 base	Handwheel diameter
25014	250 N.m	14 mm square (female)	F05	200 mm
25017	250 N.m	17 mm square (female)	F07	200 mm
50017	500 N.m	17 mm square (female)	F07	300 mm
50022	500 N.m	22 mm square (female)	F10	300 mm
75022	750 N.m	22 mm square (female)	F10	400 mm
1000	1000 N.m	45 mm diameter (female)	F14	450 mm
1500	1500 N.m	45 mm diameter (female)	F14	500 mm
4000	4000 N.m	45 mm diameter (female)	F14	700 mm
5500	5500 N.m	45 mm diameter (female)	F14	550 mm
8500	8500 N.m	70 mm diameter (female)	F16	600 mm

3.sign	Operation
-	Blank, Handwheel without padlock flange
PF*	Handwheel with padlock flange
C*	Chainwheel without padlock flange
CPF*	Chainwheel with padlock flange

*) Non-standard options

4.	Temperature rating
-	Blank, Standard Temperature: -20°C to +85°C

5.	Enclosure rating
-	Blank, Standard rating – IP 65

6.	Options
-	Blank, standard option
Y	Special construction, to be specified everytime. e.g. special painting, powder coating, etc.

7.	Model code*
B	Model-B for all sizes.

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NOTE:
As the use of the manual gear is application specific, a number of factors should be taken into account when selecting a manual gear for a given application. Therefore, some of the applications in which the manual gears are used are outside the scope of this document. If you have any questions concerning the use, application or compatibility of the manual gears with the intended service, contact nearest Valmet sales office for more information.

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