



GVK(DG/EG)

Declutchable Gear Box

Total Engineering Solution Service

Mission

기초에 근거하여 원천 기술을 살리고 원천 기술을
극대화하여 세계 중심에 서는 것

To stand at the centre of the world by
utilizing original technology based on the
foundation and maximizing original technology

Vision

우리는 옳은 일과 가치 있는 일에 주저함이 없이
최선을 다하고 실천하여 세계의 중심에 서자

Let us put ourselves at the center of the world by
doing our best and not hesitating to stand up for
what is right and worthy



GLOBAL VISION KOREA

VMV[®]
Value MFG Valve

 **ACEFLOW**
Valve Engineering



Valve Product Service



GVK Limited, founded in June 2020 by a leader with 38 years of experience, focuses on R&D while ensuring quality, price, and functionality through domestic production. The company offers Process Valves, Valve Equipment, and Total Engineering services for industries such as Gas, Refining, Petroleum, Power generation, Environment, and Water treatment.

With a management team possessing 30-40 years of experience, GVK has developed numerous patents and adheres to quality standards like ISO 9001, 14001, 45001, and CE. Recognized for its advanced automatic control valves, GVK also supplies a range of Control Valves globally through OEM and ODM partnerships.

Although still in the early design and manufacturing stages, GVK has emerged as a leading company in Korea, equipped with skilled personnel and testing capabilities. The company aims to lower production costs, enhance efficiency, and improve quality while accumulating Hyper-Intelligence Valve Engineering (HIVE) technology. GVK Limited is committed to meeting customer needs with competitive pricing and high value-added services.

The Professional Provider of Automatic valve Actuators



Mutually Beneficial Relationships



To Be Your Best Partner



Twenty years experience "one stop" goods and services





DG/EG SERIES
Declutchable Gear Box
Total Engineering Solution Service



GVK / DG, EG Series Declutch Gear Box

Contents

Series DG/EG

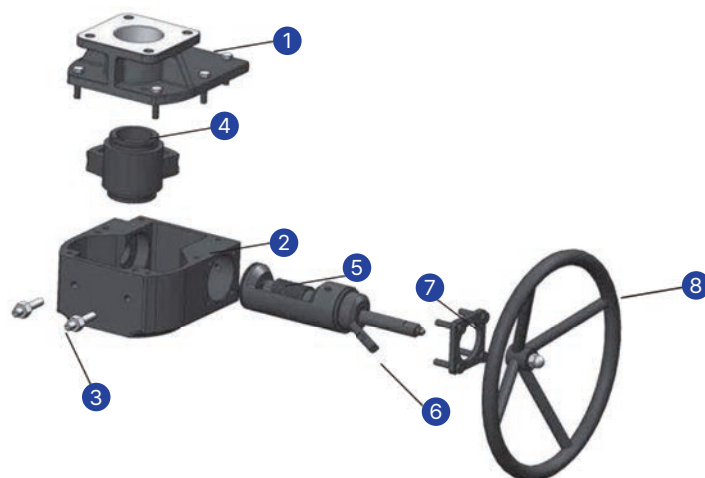
- 04 Structural Features
- 05
- 06

Main Features

- Compact structure, individual and diversified design
- Easy operation
- Reasonable structure, low failure rate
- Materials alternative applicable for various environments
- $\pm 5^\circ$ adjustment at both open and close directions easily and precisely
- Enclosure: Sealed to IP67
- Operating temperature:
 - ✓ Standard: -20°C upto $+80^\circ\text{C}$
 - ✓ Low temperature: -40°C upto $+80^\circ\text{C}$
 - ✓ High temperature: -15°C upto $+120^\circ\text{C}$
 - ✓ Ultra Low temperature: -60°C upto $+80^\circ\text{C}$
- The upper and lower mounting flanges conform to ISO 5211
- DGD gear box hand automatic clutch switch, applicable for both spring and double acting actuators
- EGS gear box without switching, special design for single acting actuators, more safety and reliable
- DGD series of optional automatic pressure relief valve or equalising valve
- Broad Specifications Wide range of output torque
- Wide range of output torque
- Surface Treatment Optional: painted or powder polyester painted



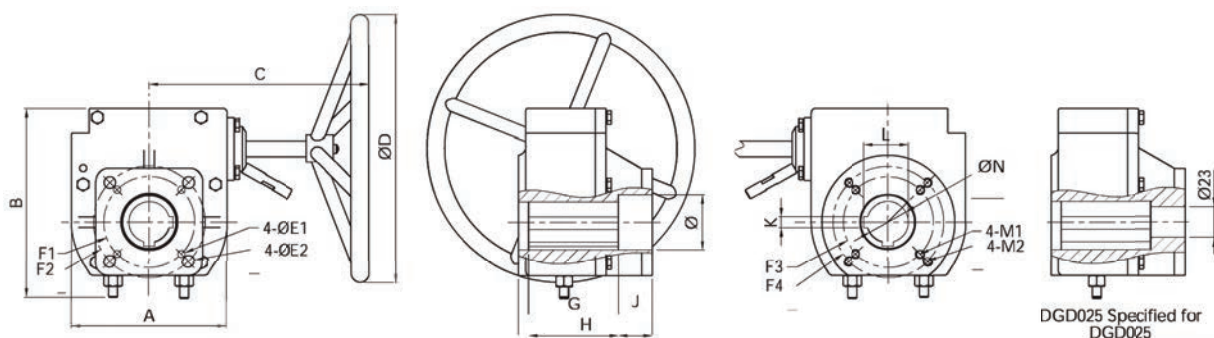
DG Series Gear Box



Materials

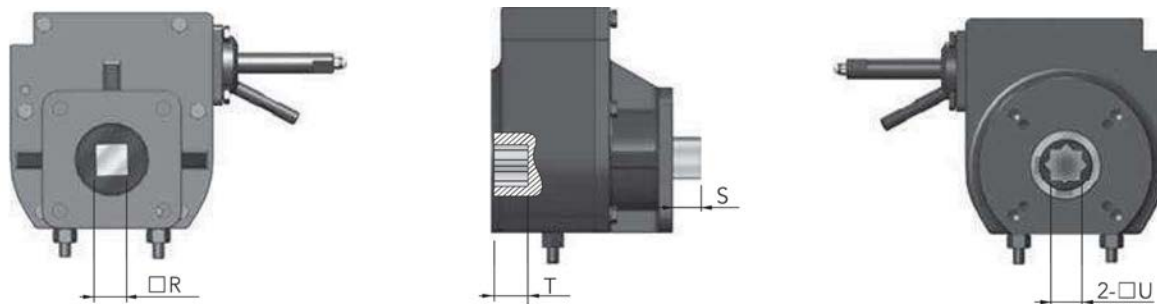
No	Name	Material	Remarks
1	Cap	Aluminium Alloy	DGD025~100 Aluminium Alloy
		Ductile Iron	DGD200~DGD800 Ductile Iron
2	Body	Aluminium Alloy	DGD025~100 Aluminium Alloy
		Ductile Iron	DGD200~DGD800 Ductile Iron
3	Adjust screws	Carbon Steel	
4	Worm gear	Ductile Iron	
5	Worm	Carbon Steel / Ductile Iron	
6	Switch handle	Carbon Steel	
7	Gland	Carbon Steel	
8	Hand wheel	Carbon Steel	Optional material: Iron

Dimensions (without shaft)



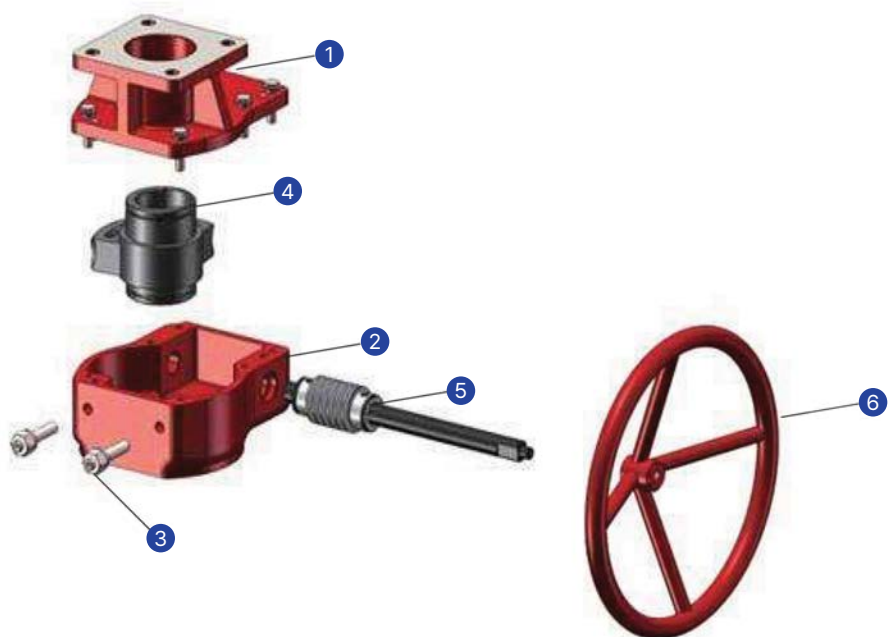
No	A	B	C	D	E1	E2	F1	F2	G	H	J	K	L	M1	M2	F3	F4	N
DGD025	102	145	167	145	7	9	50	70	63	120	44	6	90.8	M6	M8	50	70	28
DGD050	125	166	230	350	-	11	-	102	82	143	45	10	41.3	M8	M10	70	102	38
DGD100	174	207	284	400	-	13	-	125	83	173	52	14	49.8	M10	M12	102	125	46
DGD200	234	267	359	500	18	22	140	165	101	150	48	18	64.4	M16	-	140	-	60
DGD201	234	267	359	500	18	22	140	165	101	173	48	18	64.4	-	M20	-	165	60
DGD400	292	325	425	600	-	22	-	165	125	186	38	2	77.4	-	M20	-	165	72
DGD800	438	385	463	500	8-Ø18	-	254	-	164	248	57	20	79.9	8-M16	-	254	-	75

Dimensions (with shaft)



Model	R	S	T	U
DGD025	17	20	19	17
DGD050	22	25	24	22
DGD100	27	30	29	27
DGD200	36	39	38	36
DGD201	46	49	38	36
DGD400	46	50	48	46
DGD800	55	60	57	55

EGS Series Gear Box

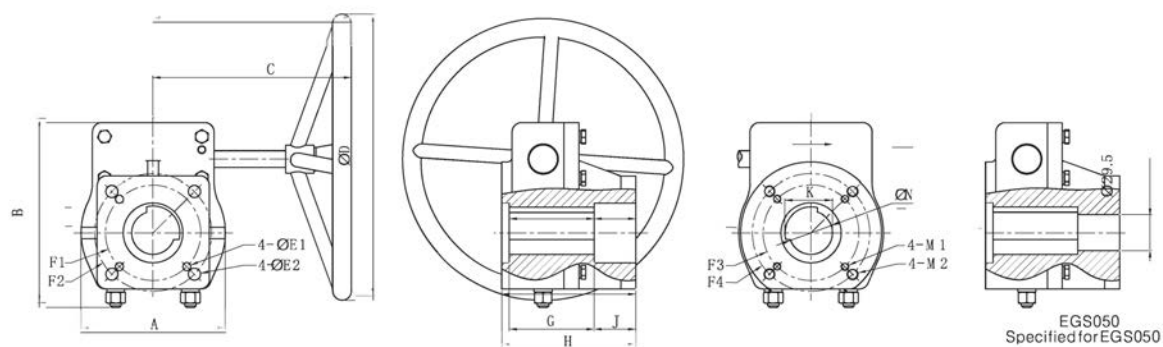


Materials

No	Name	Material	Remarks
1	Cap	Aluminium Alloy	EGS050~100 Aluminium Alloy
		Ductile Iron	EGS200~800 Ductile Iron
2	Body	Aluminium Alloy	EGS050~100 Aluminium Alloy
		Ductile Iron	EGS200~800 Ductile Iron
3	Adjust screws	Carbon Steel	
4	Worm gear	Ductile Iron	
5	Worm	Carbon Steel / Ductile Iron	
6	Hand wheel	Carbon Steel	Optional material: Iron

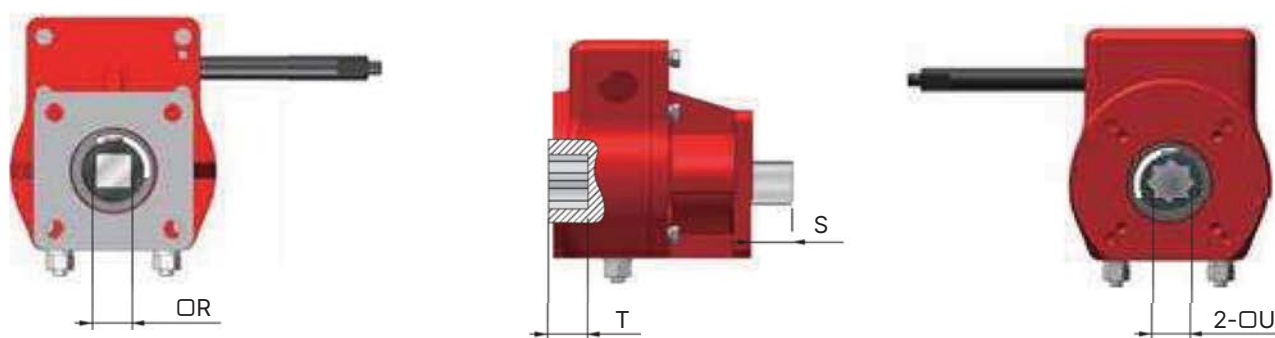
Valve Actuator Product Service

Dimensions (with shaft)



Model	A	B	C	D	E1	E2	F1	F2	G	H	J	K	M1	M2	F3	F4	F5	Key
EG S050	106	155	230	350	9	11	70	102	58	120	48	41.3	M8	M10	70	102	38	10
EG S100	154	195	284	400	-	13	-	125	82	135	35	49.8	M10	M12	102	125	46	14
EG S200	234	260	359	500	18	22	140	165	100	152	36	64.4	M16	-	140	-	60	18
EG S201	234	260	359	500	18	22	140	165	100	152	36	64.4	-	M20	-	165	60	18
EG S400	293	304	292	900	-	22	-	165	118	175	28	77.4	-	M20	-	165	72	22
EG S800	438	385	463	500	8-Ø18	-	254	-	164	248	57	79.9	8-M16	-	254	-	75	20

Dimensions (with shaft)



Model	OR	S	T	OU
EG S050	22	25	24	22
EG S100	27	30	29	27
EG S200	36	39	38	36
EG S201	46	49	38	36
EG S400	46	50	48	46
EG S800	55	60	57	55

Optional Components

Hand Wheel

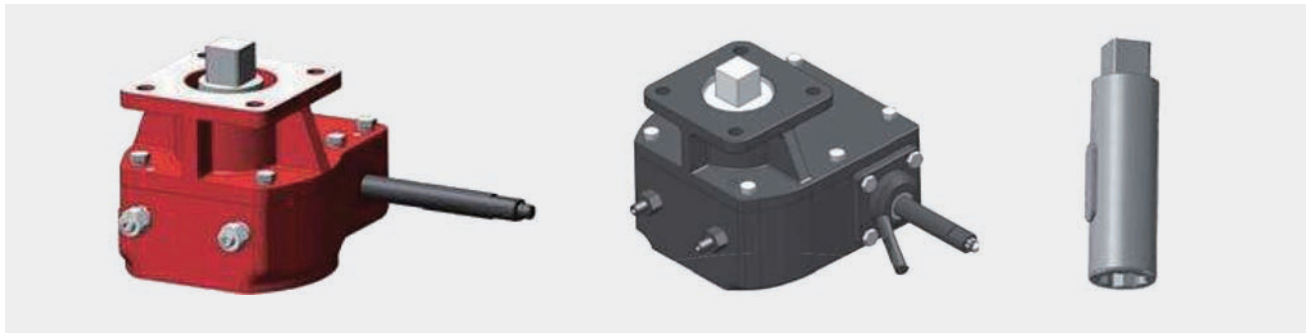
Iron Casting



Stamping

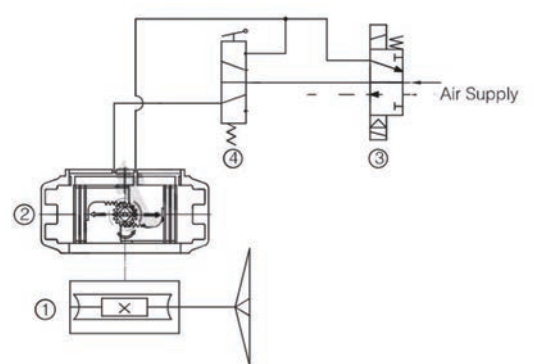
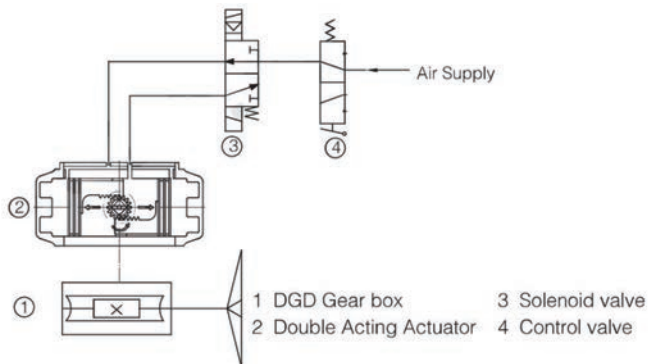


Shaft



Vent valve

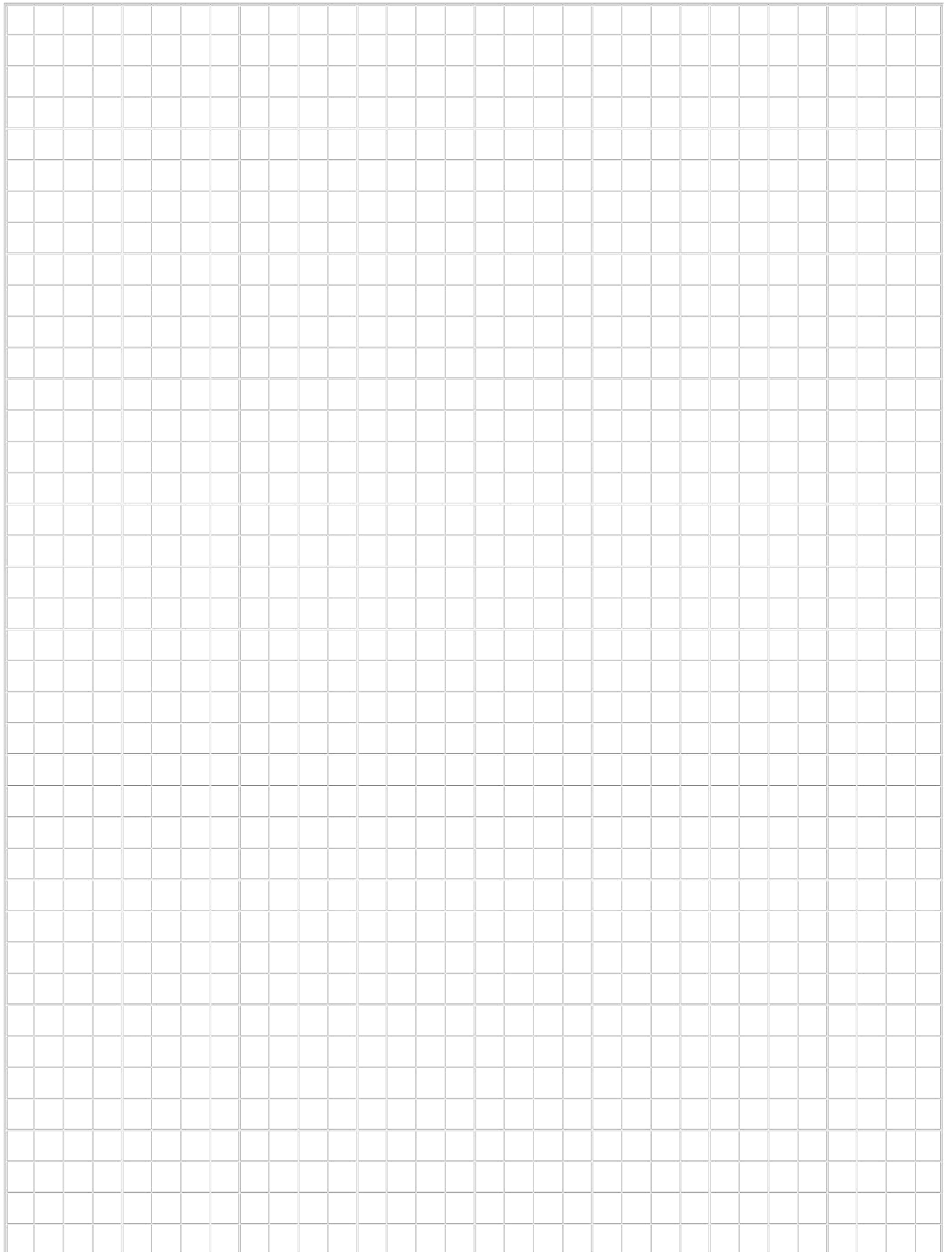
Equalizing valve

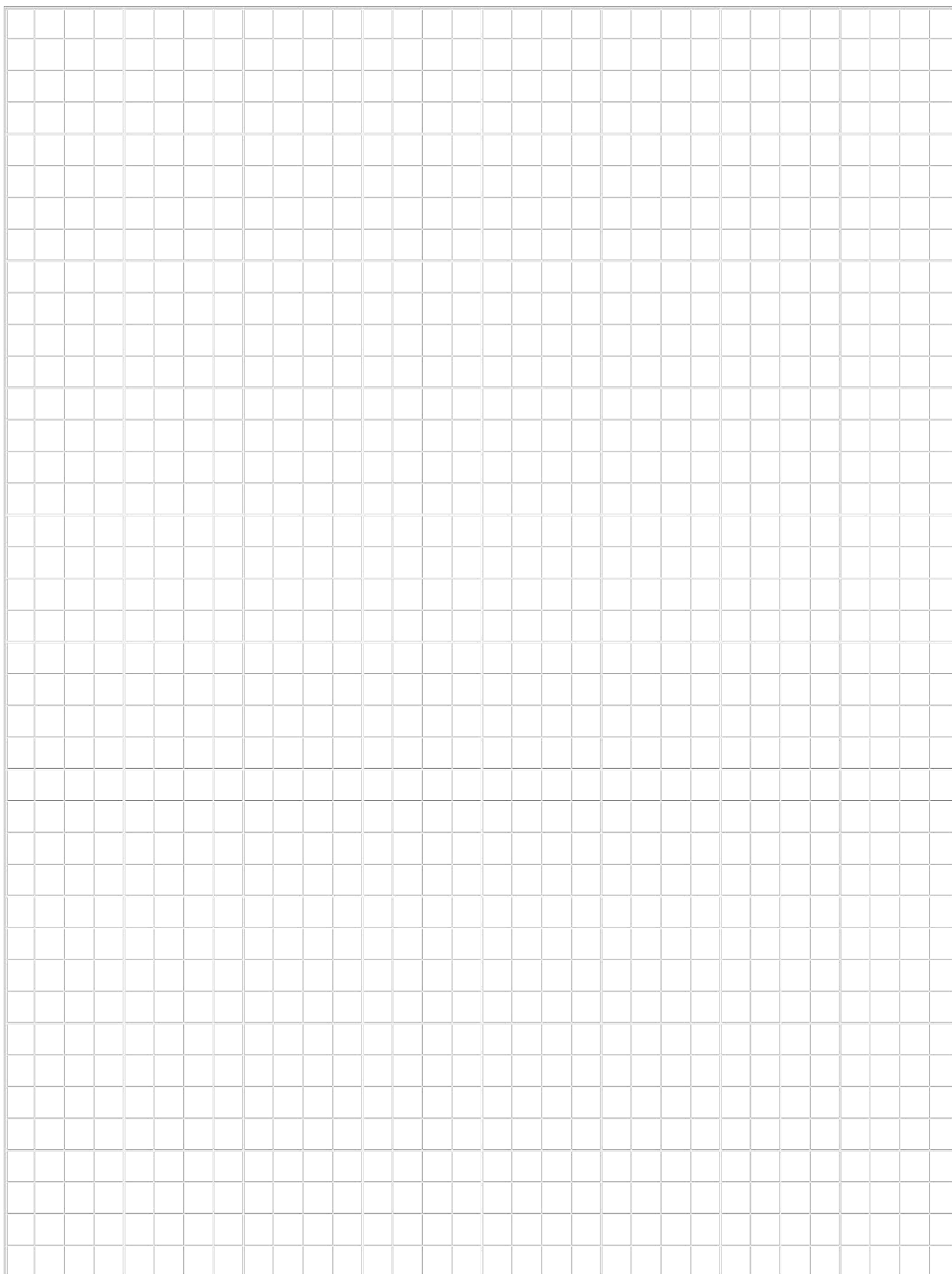


Manual Gear



Three different models of actuated valves are shown. Each valve has a red handwheel and a black actuator. The valves are shown in different orientations and colors (black, red, and grey).







Product Service Qualified Certificate

ISO 9001:2015

ISO 14001:2015

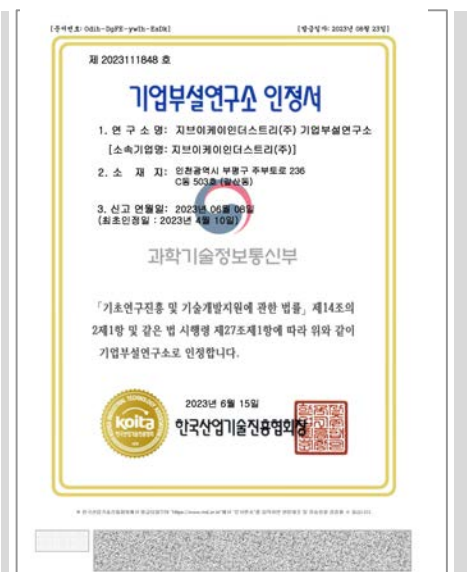
ISO 45001:2018



CE: Globe Control Valve

CE : Ball Valve

Research Institute



ASME U, PP Stemp

EAC : RUSSIA TRCU

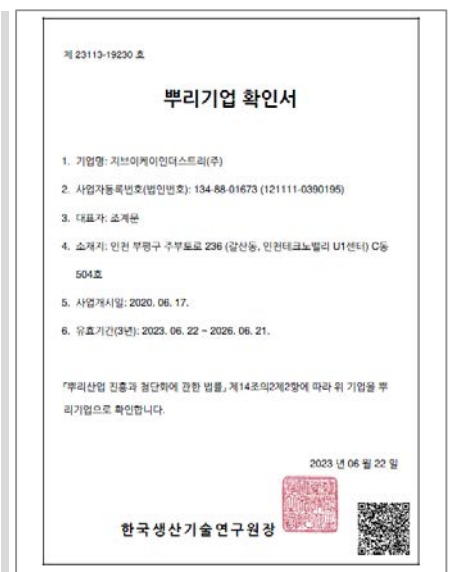
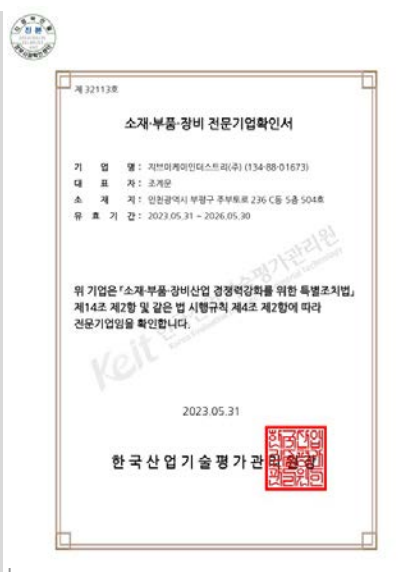
API 6D / 600 By KSM



Venture company

Material · Part · Equipment

Rooting Enterprise





GVK(DG/EG) Declutchable GEAR BOX

Total Engineering Solution Service

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