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SICHUAN YUAN HENG DING

TRADING CO., LTD.

PRESSURE REGULATING EQUIPMENT

PRODUCT MANUAL

GAS PRESSURE REGULATORS · REGULATOR BOXES & STATIONS

2010

Founded in Sichuan · Focused on city gas

5+

Core product lines · Full-chain solutions

0.4~100

Inlet pressure MPa / kPa outlet regulation

Marketing material · Products subject to final quotation

CATALOGUE 2026

COMPANY PROFILE

ABOUT US · EST. 2010

Founded in 2010 and headquartered in Sichuan, Sichuan Yuanhengding Trading Co., Ltd. ("Yuanhengding") is a professional service provider dedicated to city gas, offering full-chain technical solutions. Its business spans the entire life cycle of gas engineering — from customised solution design at the front end, to precise selection and supply of equipment and materials, to professional diagnosis, evaluation and digital upgrade of existing pipeline distribution systems — delivering one-stop, turnkey services for clients across the gas industry chain.

Backed by years of industry experience, Yuanhengding has built a complete product and supply system covering pressure regulating equipment, metering instruments and flow meters, valves, automatic control equipment, and pipes & fittings. Its products are widely applied in city gate stations, district regulating stations, and industrial, commercial and residential gas distribution scenarios, meeting multi-level, multi-condition requirements from station-scale projects down to end users.

The company's technical strength and delivery quality are highly recognised by a number of leading industry groups, and mature solutions are already in operation across the country. The company's legal representative holds a senior engineer title, is enrolled in the government expert pool and serves as an externally appointed government expert, providing solid assurance of technical authority and high-quality delivery.

Yuanhengding adheres to the mission of "advancing to deliver safer, more efficient and more reliable gas supply to users". Guided by customer needs and driven by technological innovation, it continuously improves the safety, stability and cost-effectiveness of gas supply, and strives to become a leading benchmark enterprise in integrated gas services in China.

CORE BUSINESS

Gas engineering solution design · Equipment & material selection and supply · Pipeline network diagnosis · IoT digital upgrade

BENCHMARK CLIENTS

Core partners include PetroChina, China Resources Gas, The Hong Kong and China Gas Co. (Towngas) and other leading industry groups

QUALITY COMMITMENT

Rigorous engineering selection and full-process quality control; every unit is strictly inspected before shipment, with responsive service support

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PRODUCT CONTENTS

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PRESSURE REGULATING EQUIPMENT	RTZ-50/*FQH Gas Pressure Regulator
PRESSURE REGULATING EQUIPMENT	RTZ-50/0.4FQZ Gas Pressure Regulator
PRESSURE REGULATING EQUIPMENT	RTJ-H Series Gas Pressure Regulator
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RTZ-25(L)/0.4FQ Series Gas Pressure Regulator

Building & Unit Regulation



Product appearance for reference

MAIN TECHNICAL PARAMETERS

Nominal Size (DN) **DN25**	Construction Type **Direct-acting gas pressure regulator (RTZ series)**
Max. Inlet Pressure **P1max=0.4 MPa**	Outlet Pressure Range **P2=1 ~10 KPa**
Accuracy Class **AC10**	Lock-up Pressure Class **SG25**
Operating Temperature **-20℃ ~ 60℃**	Connection Type **Threaded G1 (25L); Flanged DN25 raised face (25)**
Applicable Medium **Natural gas, manufactured gas, LPG and other non-corrosive gases**	Safety Configuration **Automatic overpressure shut-off; internal safety relief (no relief when used with LPG)**

PRODUCT FEATURES

- Modular design
- Accurate outlet pressure adjustment
- Automatic overpressure shut-off
- Overpressure safety relief (no relief when used with LPG)
- Easy installation and online maintenance

Flow Capacity

Unit m³/h · Standard-condition flow

Outlet ↓ Inlet →	Inlet Pressure (MPa)													
	Outlet (kPa)	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.1	0.13	0.15	0.18	0.2	0.3
2	12	16	18	22	23	24	26	30	34	37	40	42	44	46
3	12	15	18	20	22	24	26	30	34	37	40	42	44	46
4	12	15	18	20	22	24	26	30	34	37	40	42	44	46
5	11	15	18	20	22	24	26	30	34	37	40	42	44	46
6	11	15	18	20	22	24	26	30	34	37	40	42	44	46
8	11	15	18	20	22	24	26	30	34	37	40	42	44	46
10	11	15	18	20	22	24	26	30	34	37	40	42	44	46

Rows = outlet pressure (kPa); columns = inlet pressure (MPa).

Standard Price	MOQ	Monthly Capacity	Lead Time
On request · Final quotation to prevail	**On request · Final quotation to prevail**	**On request · Final quotation to prevail**	**On request · Final quotation to prevail**

Wear-part replacement intervals: 12 mo (manufactured gas) · 18 mo (LPG) · 24 mo (natural gas).

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RTZ-50/0.4FQ Gas Pressure Regulator

Group Buildings & Small Commercial Regulation



Product appearance for reference

MAIN TECHNICAL PARAMETERS

Nominal Size (DN) **DN50**	Construction Type **Diaphragm-type direct-acting (valve body + main regulator + shut-off valve integrated)**
Max. Inlet Pressure **P1max=0.4 MPa**	Outlet Pressure Range **P2=1 ~5 KPa (low-pressure type); 5 ~15 KPa (medium-pressure type)**
Accuracy Class **δ up to ±5%**	Lock-up Pressure Class **Up to 1.1P2**
Operating Temperature **-20~60℃**	Connection Type
Applicable Medium **Natural gas, manufactured gas, LPG and other non-corrosive gases**	Safety Configuration **Automatic overpressure shut-off; overpressure safety relief (no relief for the medium-pressure type or when used with LPG)**

PRODUCT FEATURES

- Modular design
- Automatic overpressure shut-off
- Overpressure safety relief (no relief for the medium-pressure type or when used with LPG)
- Easy installation and maintenance

Flow Capacity

Flow table paste area

FLOW TABLE PASTE AREA

Paste the flow table from the official datasheet / catalogue

Standard Price	MOQ	Monthly Capacity	Lead Time
On request · Final quotation to prevail	**On request · Final quotation to prevail**	**On request · Final quotation to prevail**	**On request · Final quotation to prevail**

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RTZ-50/0.4FQB Gas Pressure Regulator

Industrial, Commercial & Direct-Fired Equipment Regulation



Product appearance for reference

MAIN TECHNICAL PARAMETERS

Nominal Size (DN) **DN50**	Construction Type **Spring-loaded direct-acting gas pressure regulator**
Max. Inlet Pressure **P1max=0.4 MPa**	Outlet Pressure Range **P2 = 1.0 ~ 20 KPa**
Accuracy Class **AC5**	Lock-up Pressure Class **SG10**
Operating Temperature **-20℃ ~ 60℃**	Connection Type **Flanged DN50 PN16 (HG20592, raised face)**
Applicable Medium	Safety Configuration **Overpressure/under-pressure shut-off; built-in relief**

PRODUCT FEATURES

- Modular design
- Built-in balanced valve core for more stable regulation
- Easy installation and maintenance
- Simple pressure setting
- Integrated shut-off with built-in relief

Flow Capacity

Unit m^3/h · Standard-condition flow

Outlet ↓ Inlet →	Inlet Pressure (MPa)							
	Outlet (kPa)	0.02	0.05	0.08	0.1	0.15	0.2	0.3
1.5	80	120	160	190	240	300	360	450
2.4	120	180	200	230	260	300	360	450
3	115	180	200	230	260	300	360	450
5	110	180	200	230	260	300	360	450
10	105	180	200	230	260	300	360	450
15	—	170	200	230	260	300	360	450
20	—	155	190	230	260	300	360	450

Rows = outlet pressure (kPa); columns = inlet pressure (MPa). Values for natural gas (relative density 0.61) at standard conditions.

Standard Price	MOQ	Monthly Capacity	Lead Time
On request · Final quotation to prevail	**On request · Final quotation to prevail**	**On request · Final quotation to prevail**	**On request · Final quotation to prevail**

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RTZ-50/*FQH Gas Pressure Regulator

High/Mid-Pressure Industrial & Commercial Regulation



Product appearance for reference

MAIN TECHNICAL PARAMETERS

Nominal Size (DN) **DN50**	Construction Type **Spring-loaded direct-acting, integrated regulation and shut-off**
Max. Inlet Pressure **P1max=1.60 MPa**	Outlet Pressure Range **P2 =0.02～0.40 MPa**
Accuracy Class **Up to AC10**	Lock-up Pressure Class **Up to SG10**
Operating Temperature **-20～60℃**	Connection Type **Flanged DN50 PN16**
Applicable Medium **Natural gas, manufactured gas, LPG and other fuel gases**	Safety Configuration **Integrated overpressure/under-pressure shut-off**

PRODUCT FEATURES

- Modular design
- Integrated overpressure/under-pressure shut-off
- Integrated regulation and shut-off; wide shut-off pressure range (shut-off accuracy up to AG5 within 0.02～0.4 MPa); higher safety and reliability
- Simple pressure setting
- Easy installation and maintenance

Flow Capacity

Unit m³/h · Standard-condition flow

Outlet ↓ Inlet →	Inlet Pressure (MPa)								
	Outlet (MPa)	0.1	0.2	0.3	0.4	0.5	0.8	1.0	1.2
0.02	110	160	205	260	315	420	420	430	430
0.03	150	240	300	370	470	560	560	560	560
0.05	115	250	310	310	480	560	580	600	600
0.08	130	270	340	420	480	680	700	720	720
0.10	—	180	230	340	480	680	700	720	720
0.15	—	160	230	340	480	680	700	720	720
0.20	—	—	220	340	480	680	700	720	720
0.30	—	—	—	230	450	680	700	720	720
0.40	—	—	—	—	310	680	700	720	720

Rows = outlet pressure (MPa); columns = inlet pressure (MPa), as per the original table. Values for natural gas (relative density 0.61) at standard conditions.

Standard Price	MOQ	Monthly Capacity	Lead Time
On request · Final quotation to prevail	**On request · Final quotation to prevail**	**On request · Final quotation to prevail**	**On request · Final quotation to prevail**

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RTZ-50/0.4FQZ Gas Pressure Regulator

Mid/Low-Pressure Industrial & Commercial Regulation



Product appearance for reference

MAIN TECHNICAL PARAMETERS

Nominal Size (DN) **DN50**	Construction Type **Spring-loaded direct-acting, integrated regulation and shut-off**
Max. Inlet Pressure **P1max=0.4 MPa**	Outlet Pressure Range **P2=1.5 ~ 50 KPa**
Accuracy Class **Up to AC5**	Lock-up Pressure Class **Up to SG10**
Operating Temperature **-20 ~ 60℃**	Connection Type **Flanged DN50 PN16**
Applicable Medium **Natural gas, manufactured gas, LPG and other non-corrosive gases**	Safety Configuration **Integrated overpressure/under-pressure shut-off**

PRODUCT FEATURES

- Modular design; simple pressure setting
- Integrated overpressure/under-pressure shut-off
- Integrated regulation and shut-off; wide regulation pressure range (1.5 ~ 50 KPa); higher safety and reliability
- Balanced valve core construction
- Easy installation and maintenance

Flow Capacity

Unit m^3/h · Standard-condition flow

Outlet ↓ Inlet →	Inlet Pressure (MPa)					
	Outlet (kPa)	0.02	0.05	0.1	0.2	0.3
1.5	120	180	260	420	520	620
2.4	120	180	280	430	530	650
3	120	200	300	450	550	650
5	120	200	300	450	550	650
8	120	180	300	450	550	650
10	—	180	300	450	550	650
20	—	160	300	450	550	650
30	—	150	300	450	550	650
40	—	—	300	450	550	650
50	—	—	300	450	550	650

Rows = outlet pressure (kPa); columns = inlet pressure (MPa). Values for natural gas (relative density 0.61) at standard conditions.

Standard Price	MOQ	Monthly Capacity	Lead Time
On request · Final quotation to prevail	**On request · Final quotation to prevail**	**On request · Final quotation to prevail**	**On request · Final quotation to prevail**

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RTJ-H Series Gas Pressure Regulator

Medium-High Pressure Network · High Capacity



Product appearance for reference

MAIN TECHNICAL PARAMETERS

Nominal Size (DN) **DN50, DN80, DN100, DN150, DN200 (H50/H80/H100/H150/H200)**	Construction Type **Pilot-operated (indirect-acting, two-stage pilot)**
Max. Inlet Pressure **4.0 MPa**	Outlet Pressure Range **0.06~2.5 MPa**
Accuracy Class **AC1**	Lock-up Pressure Class **SG10**
Operating Temperature **-20℃~60℃**	Connection Type **Flanged (pressure rating 1.6/2.5/4.0 MPa)**
Applicable Medium **Natural gas, manufactured gas, LPG and other fuel gases**	Safety Configuration

PRODUCT FEATURES

- Modular design
- Externally mounted fully balanced structure for online maintenance and repair of the balance assembly
- Two-stage pilot for more accurate outlet pressure adjustment and simple setting
- High flow capacity, wide range of applications
- High sensitivity, fast response and reliable shut-off
- Optional: built-in silencer

Flow Capacity

Flow table paste area

FLOW TABLE PASTE AREA

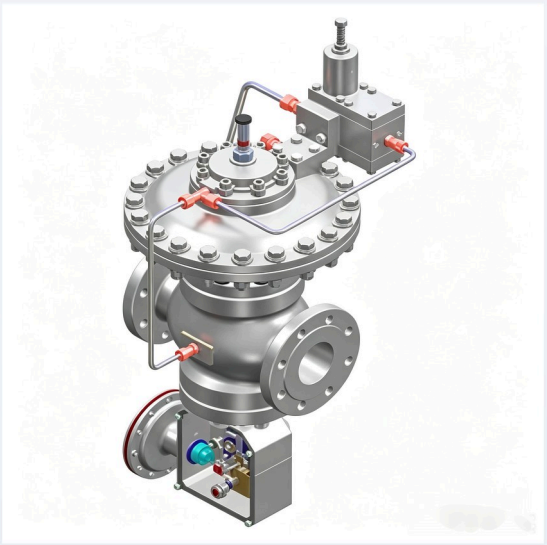
Paste the flow table from the official datasheet / catalogue

Standard Price	MOQ	Monthly Capacity	Lead Time
On request · Final quotation to prevail	**On request · Final quotation to prevail**	**On request · Final quotation to prevail**	**On request · Final quotation to prevail**

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RTJ-HQ Series Gas Pressure Regulator with Integrated Slam-Shut

Regulation + Slam-Shut All-in-One



Product appearance for reference

MAIN TECHNICAL PARAMETERS

Nominal Size (DN) **DN50, DN80**	Construction Type **Pilot-operated (indirect-acting, two-stage pilot, integrated regulation and shut-off)**
Max. Inlet Pressure **4.0 MPa**	Outlet Pressure Range **0.06~2.5 MPa**
Accuracy Class **AC1**	Lock-up Pressure Class **SG2.5**
Operating Temperature **-20℃~60℃**	Connection Type **Flanged (pressure rating 1.6/2.5/4.0 MPa)**
Applicable Medium **Natural gas, manufactured gas, LPG and other fuel gases**	Safety Configuration **Integrated overpressure/under-pressure automatic shut-off (built-in, manual reset)**

PRODUCT FEATURES

- Modular design; integrated shut-off and regulation
- Externally mounted fully balanced structure for online maintenance and repair of the balance assembly
- Two-stage pilot for more accurate outlet pressure adjustment and simple setting
- High flow capacity, wide range of applications
- High sensitivity, fast response and reliable shut-off; optional built-in silencer
- Optional remote valve position indication

Flow Capacity

Flow table paste area

FLOW TABLE PASTE AREA

Paste the flow table from the official datasheet / catalogue

Standard Price	MOQ	Monthly Capacity	Lead Time
On request · Final quotation to prevail	**On request · Final quotation to prevail**	**On request · Final quotation to prevail**	**On request · Final quotation to prevail**

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LQ Series Gas Pressure Regulator

Medium/Low Pressure · Over/Under-Pressure Shut-Off



Product appearance for reference

MAIN TECHNICAL PARAMETERS

Nominal Size (DN) **DN50, DN65, DN80, DN100, DN150 (LQ50~LQ150)**	Construction Type **Direct-acting (spring-loaded; combined regulation and shut-off)**
Max. Inlet Pressure **0.4 MPa**	Outlet Pressure Range **1.5~50 KPa**
Accuracy Class **AC10**	Lock-up Pressure Class
Operating Temperature	Connection Type **Flanged**
Applicable Medium **Natural gas, manufactured gas, LPG and other non-corrosive gases**	Safety Configuration **Overpressure/under-pressure auto shut-off (integrated over/under-pressure shut-off)**

PRODUCT FEATURES

- Modular structural design
- Overpressure/under-pressure auto shut-off (integrated over/under-pressure shut-off)
- Remote transmission control and alarm interfaces reserved
- Fast response; large flow capacity
- Fully balanced valve plug design for high regulation accuracy
- Simple structure, easy maintenance

Flow Capacity

Unit m³/h · Standard-condition flow

Outlet ↓ Inlet →	Inlet Pressure (MPa)						
	Outlet (kPa)	0.02	0.05	0.1	0.2	0.25	0.3
1.5	1055	1700	2430	3200	3800	4200	5100
2.5	1025	1700	2430	3600	4230	4800	6000
3	1010	1700	2430	3600	4230	4800	6000
4	990	1700	2430	3600	4230	4800	6000
6	930	1700	2420	3600	4230	4800	6000
8	880	1640	2420	3600	4230	4800	6000
10	800	1610	2420	3600	4230	4800	6000
12	730	1590	2410	3600	4230	4800	6000
15	570	1540	2410	3600	4230	4800	6000
25	-	1350	2360	3600	4230	4800	6000
30	-	1000	2200	3600	4230	4800	6000
50	-	-	2100	3600	4230	4800	6000

Matrix shown for representative size DN100 (LQ100); — = not applicable. Rows = outlet pressure (kPa); columns = inlet pressure (MPa).

Standard Price	MOQ	Monthly Capacity	Lead Time
On request · Final quotation to prevail	**On request · Final quotation to prevail**	**On request · Final quotation to prevail**	**On request · Final quotation to prevail**

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RTZ-*/0.4MK(Q) Series Gas Pressure Regulator

Shut-Off & Relief Integrated

RTZ 0.4MKQ Pressure Regulator - Left Side View



MAIN TECHNICAL PARAMETERS

Nominal Size (DN) **DN50 (valve port diameters 20/25/30 mm)**	Construction Type **Direct-acting (toothed-lever design; built-in shut-off and relief)**
Max. Inlet Pressure **0.4 MPa**	Outlet Pressure Range **1.5~50 KPa**
Accuracy Class **AC2.5**	Lock-up Pressure Class **SG5**
Operating Temperature **-20℃~+60℃**	Connection Type **Flanged**
Applicable Medium **Natural gas, manufactured gas, LPG, mine gas, oil gas and other non-corrosive gases**	Safety Configuration **Built-in overpressure auto shut-off + safety relief (self-contained, no additional devices required)**

PRODUCT FEATURES

- Direct-acting with toothed-lever design; high regulation accuracy and large flow capacity
- Safety shut-off and built-in safety relief devices provide high actuation accuracy and fast response; no separate shut-off valve or relief device is required
- Can be assembled into box-type/cabinet-type regulating equipment and regulating stations
- Built-in safety shut-off device needs no external energy supply, operating on the pipeline's own pressure
- Simple structure, convenient maintenance, serviceable online

Flow Capacity

Unit m^3/h · Standard-condition flow

Outlet ↓ Inlet →	Inlet Pressure (kPa)													
	Outlet (MPa)	1.5	2	3	5	8	10	15	20	25	30	35	40	45
0.05	150	150	148	146	142	139	132	124	119	103	91	75	54	—
0.07	224	183	182	180	177	175	170	164	157	150	142	133	123	111
0.1	230	230	229	228	225	224	220	215	211	206	200	194	188	181
0.12	259	259	258	257	255	254	250	247	243	238	234	229	224	218
0.15	303	302	302	301	299	298	295	292	289	285	281	278	273	269
0.18	345	344	344	343	342	341	338	336	333	330	327	323	320	316
0.2	372	372	372	371	369	368	366	364	361	358	356	353	350	346
0.22	399	399	399	398	397	396	394	392	389	387	384	381	379	376
0.25	440	440	440	439	438	437	435	433	431	429	427	424	422	419
0.28	481	481	480	480	478	478	476	475	473	471	469	466	464	462
0.3	508	508	507	507	506	505	503	502	500	498	496	494	492	489
0.32	535	535	534	534	533	532	531	529	527	525	524	522	520	518
0.35	575	575	575	574	573	573	571	570	568	566	565	563	561	559
0.4	642	641	641	641	640	640	638	637	635	634	632	631	629	627

Note: rows = inlet pressure (MPa); columns = outlet pressure (kPa), as per the original table. Shown for valve-orifice size 20 mm.

Standard Price	MOQ	Monthly Capacity	Lead Time
On request · Final quotation to prevail	**On request · Final quotation to prevail**	**On request · Final quotation to prevail**	**On request · Final quotation to prevail**

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RTZ-L Series Gas Pressure Regulator

Medium/Low Pressure · Direct-Acting



Product appearance for reference

MAIN TECHNICAL PARAMETERS

Nominal Size (DN) **DN50, DN80, DN100, DN150, DN200 (DN200 on special order)**	Construction Type **Direct-acting (spring-loaded)**
Max. Inlet Pressure **0.4 MPa**	Outlet Pressure Range **1.5~50 KPa**
Accuracy Class **AC5**	Lock-up Pressure Class **SG10**
Operating Temperature **-20~60 ℃**	Connection Type **Flanged connection (PN16, to HG 20592)**
Applicable Medium **Natural gas, manufactured gas, LPG and other non-corrosive gases**	Safety Configuration

PRODUCT FEATURES

- Simple pressure setting
- Balanced valve plug design for high regulation accuracy
- Fast response; large flow capacity
- Plug-in modular structure for easy installation and online maintenance
- Accuracy class up to AC5, lock-up pressure class up to SG10, flanges to HG 20592

Flow Capacity

Unit m³/h · Standard-condition flow

Outlet ↓ Inlet →	Inlet Pressure (MPa)						
	Outlet (kPa)	0.02	0.05	0.1	0.2	0.25	0.3
1.5	900	1400	2400	3000	3200	3500	4000
2.5	900	1600	2450	3450	3750	3950	4400
3	900	1600	2450	3450	3750	3950	4400
4	900	1600	2450	3450	3750	3950	4400
6	900	1600	2425	3450	3750	3950	4400
8	850	1600	2425	3450	3750	3950	4400
10	800	1600	2420	3450	3750	3950	4400
12	700	1550	2410	3450	3750	3950	4400
15	500	1500	2410	3450	3750	3950	4400
25	-	1300	2350	3450	3750	3950	4400
30	-	900	2200	3450	3750	3950	4400
50	-	-	2100	3450	3750	3950	4400

Representative size 100L (DN100). Rows = outlet pressure (kPa); columns = inlet pressure (MPa); — = not applicable.

Standard Price	MOQ	Monthly Capacity	Lead Time
On request · Final quotation to prevail	**On request · Final quotation to prevail**	**On request · Final quotation to prevail**	**On request · Final quotation to prevail**

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M Series Pilot-Operated Gas Pressure Regulator

High Pressure · Large Flow Stabilization



Product appearance for reference

MAIN TECHNICAL PARAMETERS

Nominal Size (DN) **DN25 ~ DN200 (1" ~ 8"; same for Class 300/600)**	Construction Type **Pilot-operated (indirect-acting)**
Max. Inlet Pressure **Class 300: ≤5.0 MPa (≤50 bar); Class 600: ≤10.0 MPa (≤100 bar)**	Outlet Pressure Range **Class 300: 0.5 ~ 40 bar; Class 600: 0.5 ~ 60 bar**
Accuracy Class **AC1**	Lock-up Pressure Class **SG2.5**
Operating Temperature **-20 ~ 60℃**	Connection Type **Flanged (ASME Class 300/600)**
Applicable Medium **Natural gas**	Safety Configuration **Upstream filter + emergency shut-off valve; pilot with independent precision filter; 'working + monitoring' configuration available**

PRODUCT FEATURES

- Modular structural design
- Actuator and valve plug assembly are top-loaded for easy online maintenance
- Accurate outlet pressure adjustment with simple setting
- Large flow capacity and wide range of applications
- High sensitivity, fast response and good shut-off performance
- Valve position indication

Flow Capacity

Flow table paste area

FLOW TABLE PASTE AREA

Paste the flow table from the official datasheet / catalogue

Standard Price	MOQ	Monthly Capacity	Lead Time
On request · Final quotation to prevail	**On request · Final quotation to prevail**	**On request · Final quotation to prevail**	**On request · Final quotation to prevail**

Installation: horizontal; downstream pressure sense point 4–6 × DN in straight pipe; outlet velocity ≤ 20–25 m/s; purge lines before start-up and leak-check all joints with a gas detector or soap solution.

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RX/0.4A-QB Series Gas Regulator Box

Medium/Low Pressure · Building Pressure Regulation



Product appearance for reference

MAIN TECHNICAL PARAMETERS

Nominal Size (DN) **DN25, DN40, DN50**	Construction Type **Box type (integrated filtration, regulation and shut-off)**
Max. Inlet Pressure **P_1 ≤0.4MPa**	Outlet Pressure Range **P_2=1 ~ 15KPa**
Accuracy Class **AC10**	Lock-up Pressure Class **SG25**
Operating Temperature **-20℃ ~ 60℃**	Connection Type **Flanged PN16 (raised face, to HG20592)**
Applicable Medium **Natural gas, manufactured gas, LPG and other non-corrosive gases**	Safety Configuration **Overpressure shut-off device (manual reset) + internal safety relief valve; built-in filter**

PRODUCT FEATURES

- Modular structural design
- Accurate outlet pressure adjustment
- Built-in filter
- Automatic overpressure shut-off
- Overpressure safety relief (no safety relief for LPG service)
- Easy installation and online maintenance

Flow Capacity

Unit m³/h · Standard-condition flow

Outlet ↓ Inlet →	Inlet Pressure (MPa)					
	Outlet (kPa)	0.02	0.05	0.1	0.2	0.3
1	28	44	65	70	—	—
2	30	50	80	85	100	120
3	35	60	80	92	105	120
4	35	60	80	92	105	120
5	32	60	80	92	105	120
8	30	60	80	92	105	120
10	—	60	80	92	105	120
12	—	60	80	92	105	120
15	—	60	80	92	105	120

Rows = outlet pressure (kPa); columns = inlet pressure (MPa). Values for natural gas (relative density 0.61) at standard conditions; other media per density correction factor F.

Standard Price	MOQ	Monthly Capacity	Lead Time
On request · Final quotation to prevail	**On request · Final quotation to prevail**	**On request · Final quotation to prevail**	**On request · Final quotation to prevail**

Model codes 25QB/40QB/50QB correspond to DN25/DN40/DN50 respectively.

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RX Series Gas Regulator Cabinet

Integrated Regulation, Filtration & Metering



Product appearance for reference

MAIN TECHNICAL PARAMETERS

Nominal Size (DN)	Construction Type **Cabinet type (integrated filtration, regulation and shut-off; metering optional)**
Max. Inlet Pressure	Outlet Pressure Range
Accuracy Class	Lock-up Pressure Class
Operating Temperature	Connection Type **Flanged (inlet/outlet)**
Applicable Medium **Natural gas, manufactured gas, LPG and other non-corrosive gases**	Safety Configuration **Safety shut-off (overpressure/under-pressure) + safety relief valve + gas filter (process arrangement configured per user requirements)**

PRODUCT FEATURES

- Integrates pressure regulation, filtration, overpressure/under-pressure shut-off, metering and safety relief in one unit for good system coordination and high reliability
- Compact structure, attractive appearance, small footprint and small required safety clearances; suitable for indoor and outdoor installation
- Simple installation and commissioning; convenient operation and maintenance
- Suitable for natural gas, manufactured gas, LPG and other non-corrosive gases
- Highly expandable; functions can be added per user requirements
- Every unit undergoes a 24 h air-tightness test before delivery with parameters set per user requirements; simple and convenient on-site operation

Flow Capacity

Flow table paste area

FLOW TABLE PASTE AREA

Paste the flow table from the official datasheet / catalogue

Standard Price	MOQ	Monthly Capacity	Lead Time
On request · Final quotation to prevail	**On request · Final quotation to prevail**	**On request · Final quotation to prevail**	**On request · Final quotation to prevail**

Installation and vent-pipe layout per GB 50028. ΔP thresholds are filter maintenance limits, not overall pressure-loss ratings.

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UG-AX Series Underground Regulating Station

Urban Underground Pressure Regulation



Product appearance for reference

MAIN TECHNICAL PARAMETERS

Nominal Size (DN) **Regulator size DN25 ~ DN150; inlet/outlet DN80 ~ DN450 (per model, customizable)**	Construction Type **Underground regulating station (twin-barrel: barrel I contains shut-off and filtration; barrel II is the regulation unit)**
Max. Inlet Pressure **0.8MPa**	Outlet Pressure Range **2 ~ 400KPa**
Accuracy Class **AC2.5**	Lock-up Pressure Class **SG5**
Operating Temperature **-20℃ ~ 60℃**	Connection Type **Standard weld ends for inlet/outlet; flanged ends available on request**
Applicable Medium **Natural gas, manufactured gas, LPG and other non-corrosive gases**	Safety Configuration **Shut-off valve (accuracy up to AQ1, response <1 s, manual reset) + safety relief + filtration**

PRODUCT FEATURES

- Full functionality within a compact structure
- Small footprint with clearly arranged functional zones
- Independent core units for shut-off, pressure regulation and relief give higher reliability
- Pressure-rated barrel design for a longer service life
- Axial-flow regulator dedicated to medium/low-pressure duty with regulation accuracy up to AC2.5 for smoother gas supply
- Expanded outlet design of the regulator effectively reduces outlet flow velocity with good noise reduction

Flow Capacity

Unit Nm^3/h · Standard-condition flow

Outlet ↓ Inlet →	Inlet Pressure (MPa)							
	Outlet (kPa)	0.05	0.1	0.15	0.2	0.3	0.4	0.5
3	300	500	550	650	700	—	—	—
5	300	500	550	650	700	—	—	—
10	280	460	500	640	700	—	—	—
15	260	450	500	640	800	—	—	—
20	250	450	500	640	800	—	—	—
30	220	430	500	640	800	—	—	—
50	—	360	500	640	850	1000	—	—
75	—	260	500	640	850	1000	1100	—
100	—	—	430	630	850	1000	1100	1250

Rows = outlet pressure (kPa); columns = inlet pressure (MPa); blank cells as per the original table.

Standard Price	MOQ	Monthly Capacity	Lead Time
On request · Final quotation to prevail	**On request · Final quotation to prevail**	**On request · Final quotation to prevail**	**On request · Final quotation to prevail**

The flow table does not fully represent the regulator's maximum capacity — maximum flow is limited by the outlet-pipe velocity; larger custom outlet sizes allow higher flow.

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