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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