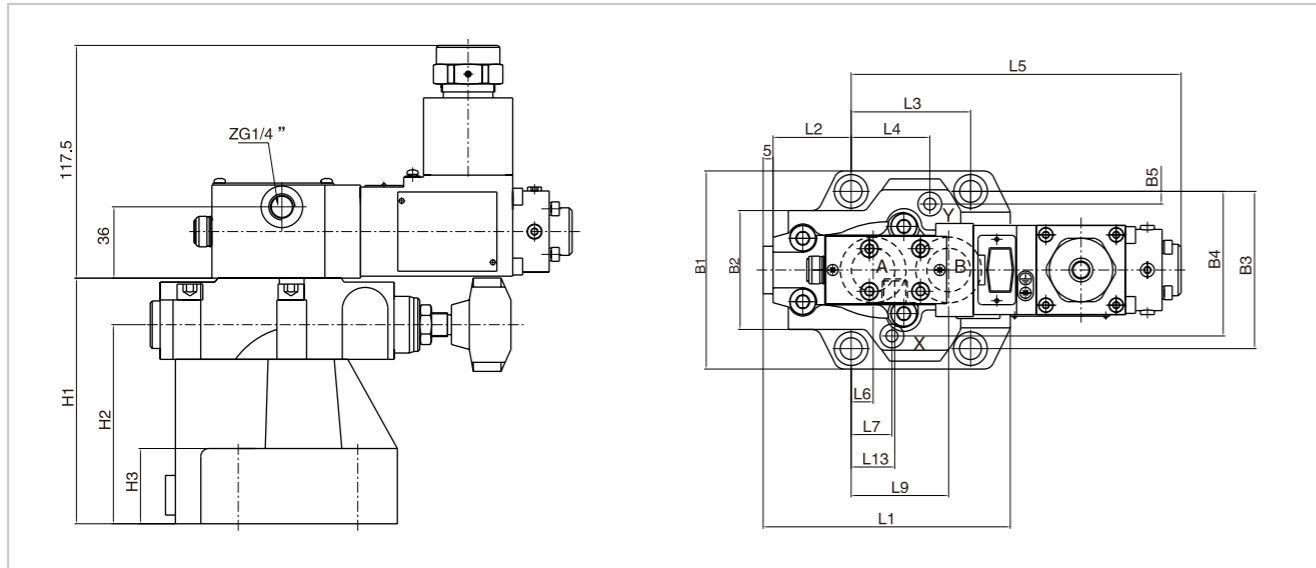
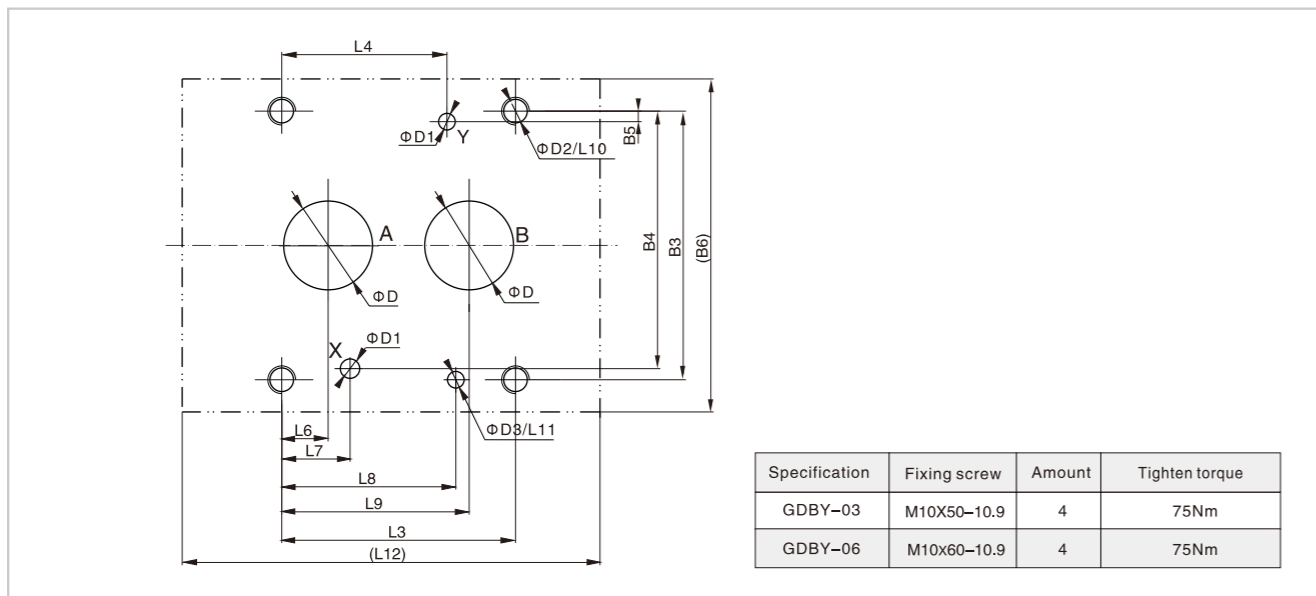


Explosion Isolation Proportional Pilot-Operated Pressure-reducing Valve

External dimensions



Subplate size



Specification	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13
GDBYJ-03	100.5	35.5	42.9	21.5	182.5	7.2	21.5	31.8	35.8	23	6	98	25.8
GDBYJ-06	124	39.4	60.3	39.7	178.7	11.1	20.6	44.5	49.2	24	6	118	22

Specification	B1	B2	B3	B4	B5	B6	H1	H2	H3	D	D1	D2	D3
GDBYJ-03	85	50	66.7	58.8	7.9	87	113	89.5	28	12	6	M10	7
GDBYJ-06	102	59.5	79.4	73	6.4	104	124	100.5	38	25	6	M10	7

1. When installing the product, consider horizontal position firstly.
2. The medium used in the hydraulic system must be filtered, its accuracy at least should be 20 μm.
3. Screw should be according to the parameters of catalogue.
4. The surface, connecting with the valve, should be Ra0.8 roughness, and 0.01/100mm flatness.

Intrinsic safety 3-way proportional reducing valve for mining

Technical parameter



- Direct acting pressure control
- Suit for explosive or flammable atmosphere
- Intrinsic safety solenoid for mining
- Solenoid as perEx ib I Mb
- IP class IP65

Technical parameter (Please consult us if your application is out of the rated technical range)

Model	IS3DREP-3-20HY	
Mounting	Free, recommended for horizontal installing	
Storage temperature	(°C)	+5~+40
Working temperature	(°C)	-20~+50
Weight	(kg)	Type A,B, 1.5, type C2

Hydraulic parameter

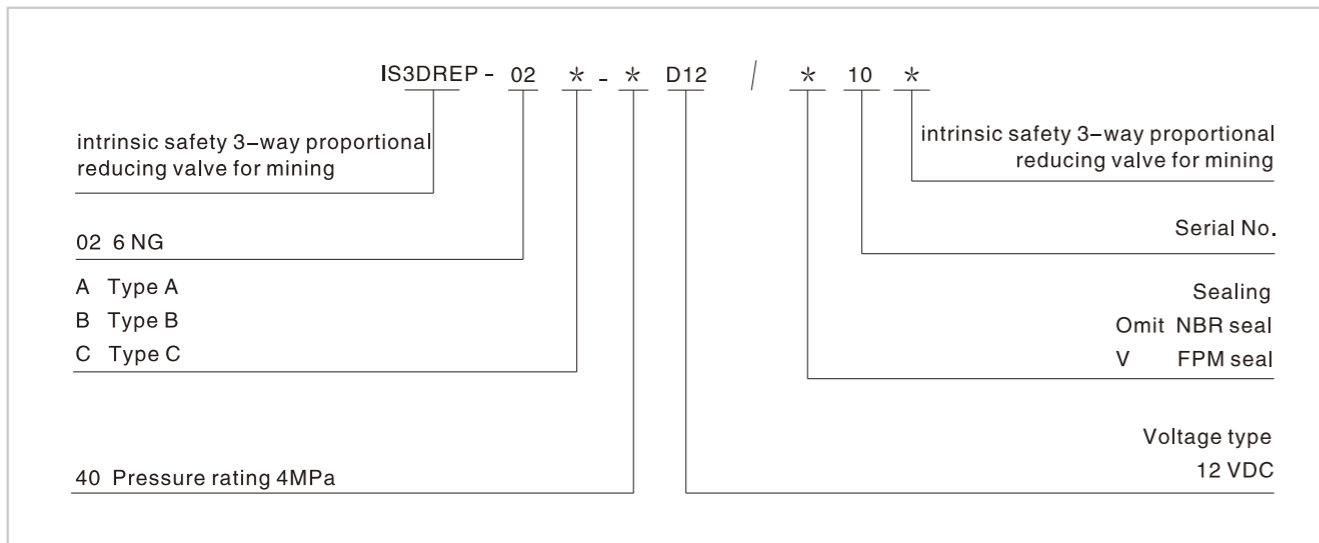
Max working pressure	(Mpa)	P	Pressure rating40 5-10
		T	0-3
Max flow rate	(L/min)	4(ΔP=5MPa)	
Working fluid	Mineral hydraulic oil, phosphate		
Fluid temp range	(°C)	+5~+50	
Viscosity range	(mm ² /s)	20~380	
Hysteresis	(%)	≤3%	
Repeatability	(%)	≤1%	
Sensibility	(%)	≤1%	
Minimum fluid cleanliness	Maximum permissible degree of pressure fluid contamination to NAS 1638 to class 9 recommended filter β ₁₀ ≥75.		

Intrinsic safety 3-way proportional reducing valve for mining

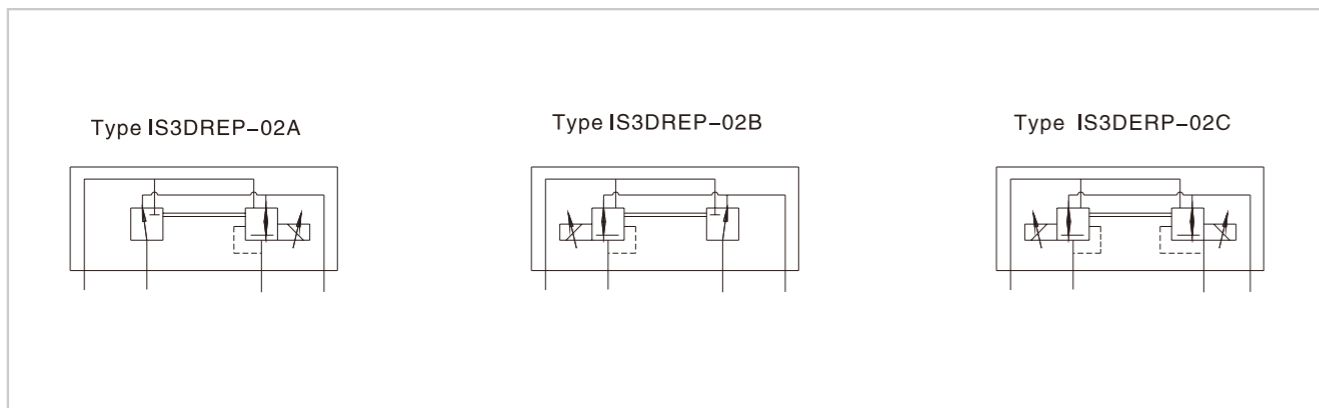
Electric parameter

Voltage type		Direct current
Adaptable voltage	V	12
Coil resistance (20℃)	Ω	18.3
ED (%)		100
Max coil temp (℃)	(kg)	80
I-max(each solenoid)	A	0.26
Allowed residue	(%)	< 5
Float Voltage step-down	(%)	± 20
IP class		IP65

Model description

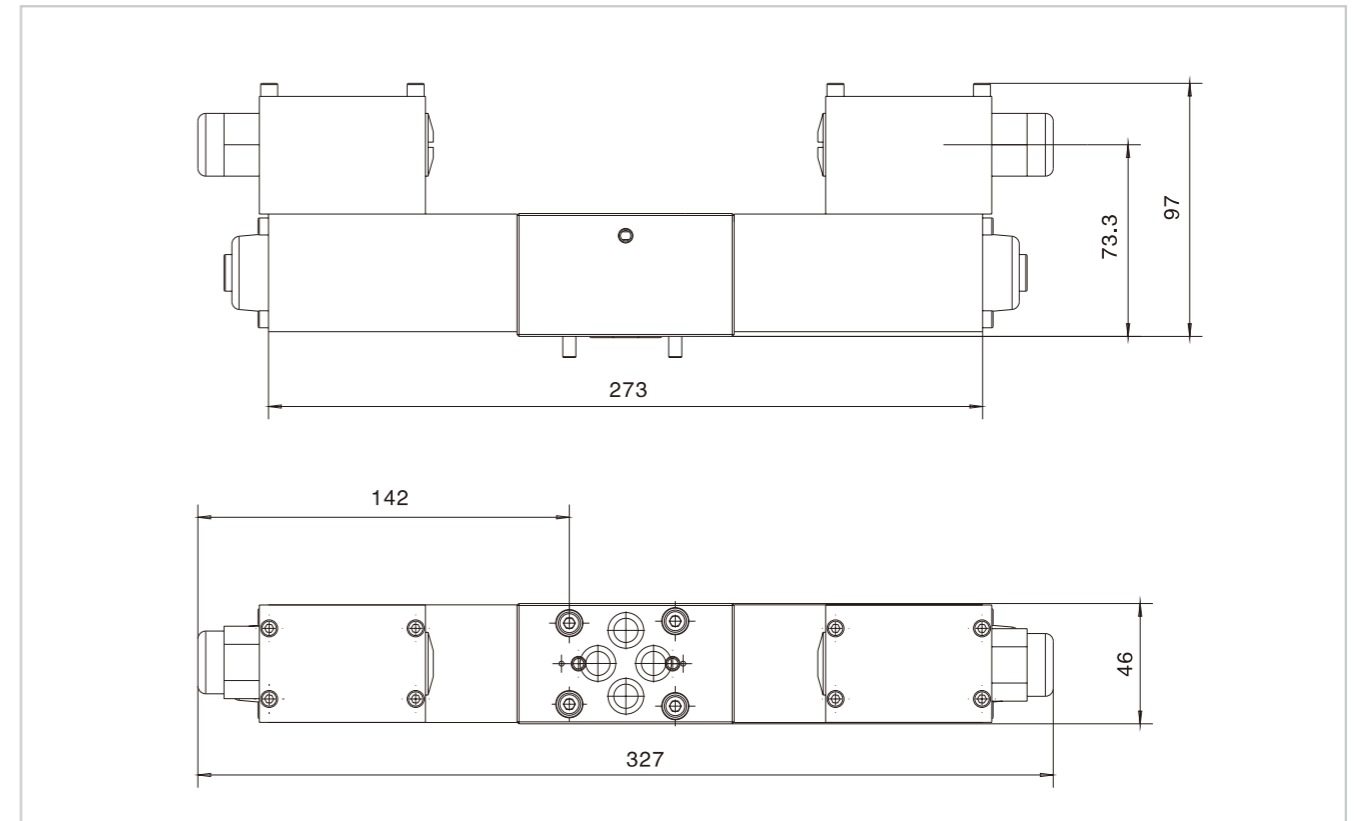


Hydraulic symbol

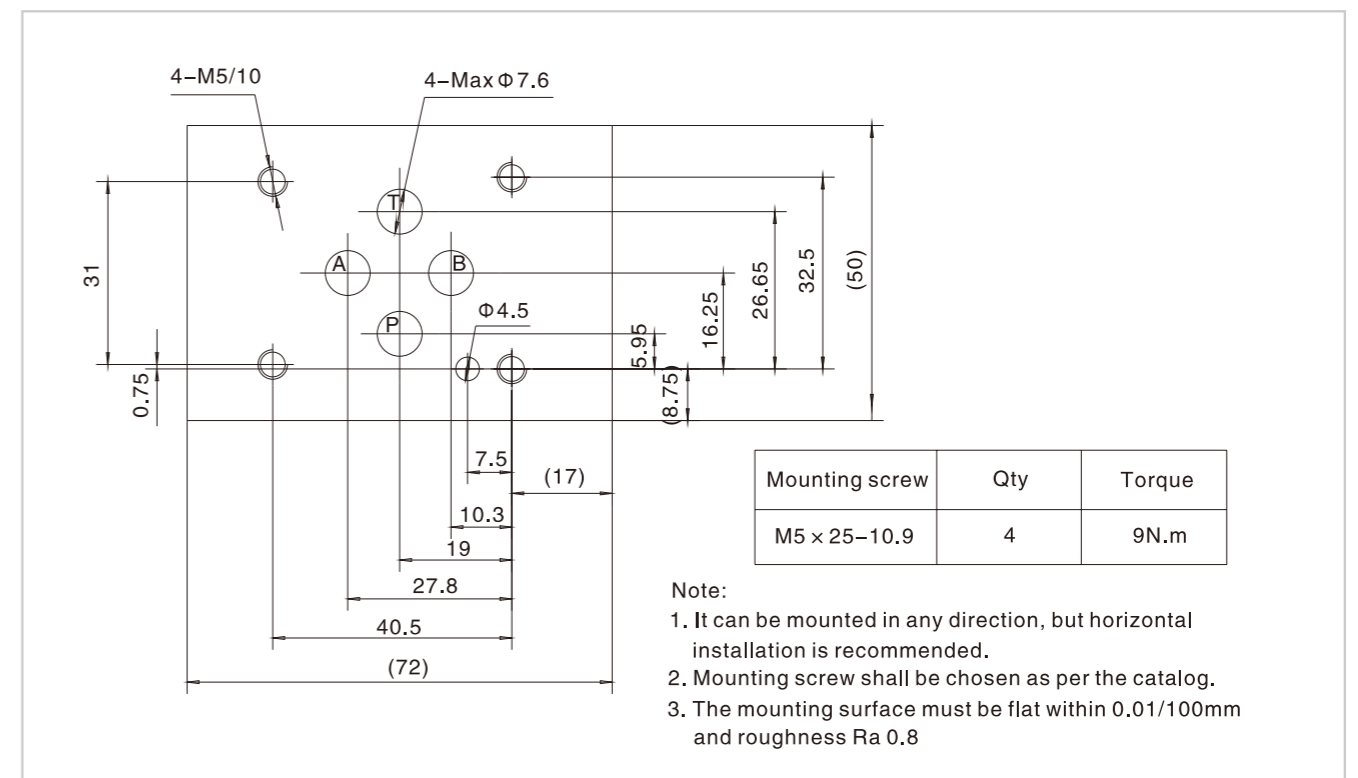


Intrinsic safety 3-way proportional reducing valve for mining

External dimension

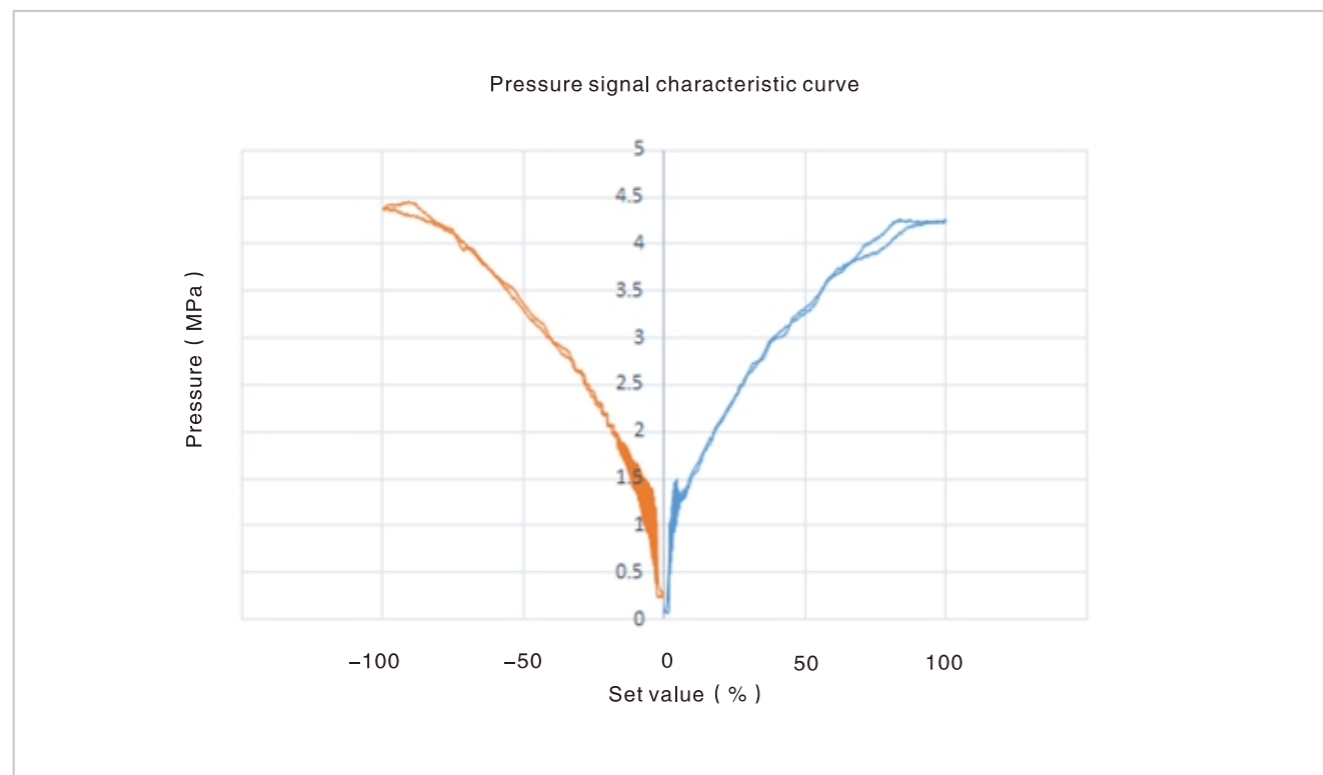


Sub-plate dimension



Intrinsic safety 3-way proportional reducing valve for mining

Performance curve



K.11.4

Intrinsic safety type solenoid seat valve for mining

Technical parameter



Solenoid-drive seat valve
 Suit for explosive or flammable atmosphere
 Intrinsic safety solenoid for mining
 Solenoid as perEx ib I Mb
 IP class IP65

K.12.1

Technical parameter (Please consult us if your application is out of the rated technical range)

Model	HY-E-*SE6	
Mounting	Free, recommended for horizontal installing	
Storage temperature	(°C)	+5~+40
Working temperature	(°C)	-20~+50
Weight	(kg)	Type C 2.6, typeY 3.4

Hydraulic parameter

Max working pressure	(Mpa)	Oil port P、A、 B	31.5
		Oil port T	4
Max flow rate	(L/min)	4	
Working fluid	Mineral hydraulic oil, phosphate		
Fluid temp range	(°C)	+5~+50	
Viscosity range	(mm ² /s)	1~380	
Hysteresis	(%)	≤3%	
Repeatability	(%)	≤1%	
Sensibility	(%)	≤1%	
Minimum fluid cleanliness	Maximum permissible degree of pressure fluid contamination to NAS 1638 to class 9 recommended filter β ₁₀ ≥ 75。		