

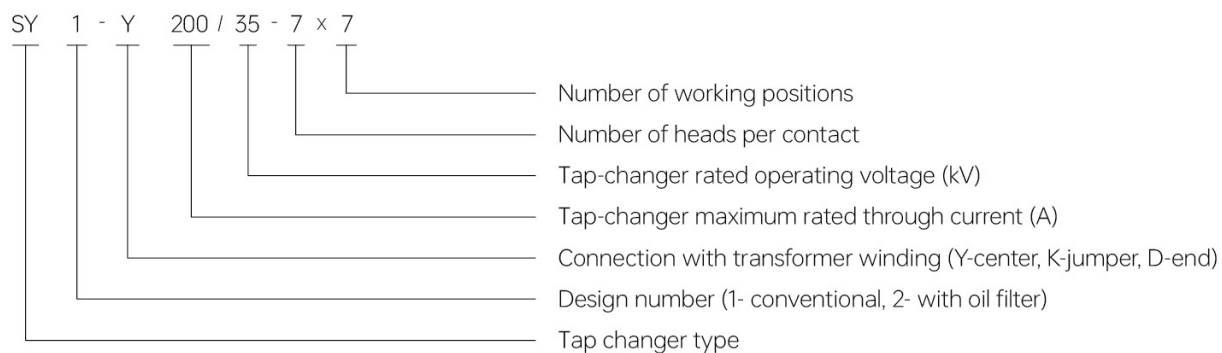


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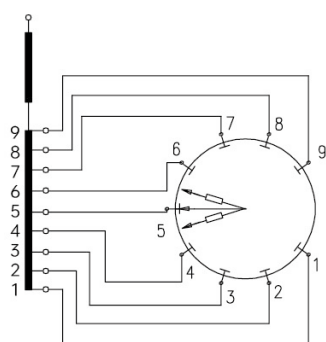
SY on-load tap-changer

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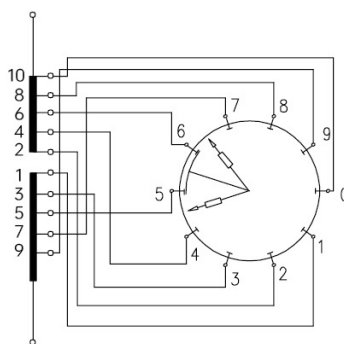
1. SY model description



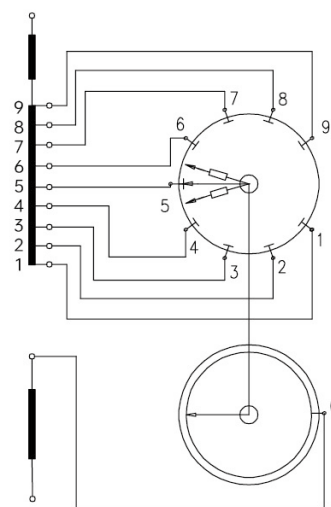
2. SY basic wiring diagram



Y Connects to the center point to adjust pressure



Central straddle voltage regulation



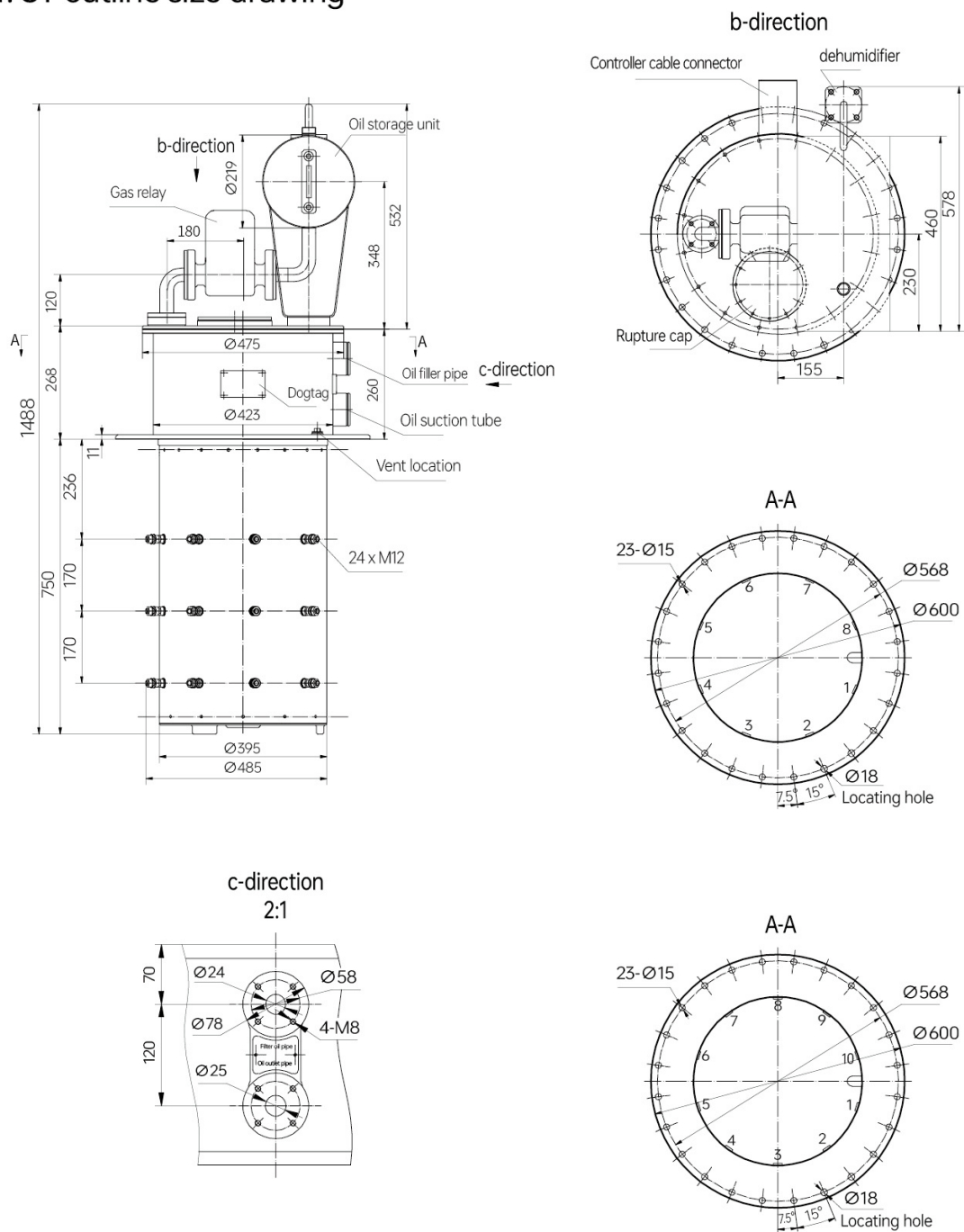
End pressure regulation

3. SY technical parameters

item	Classification feature		Y200	K200	D200	Y400	K400	D400
1	Maximum rated passing current (A)		200			400		
2	Number of phases and connection mode		Central point	Bridge joint	end	Central point	Bridge joint	end
3	Rated frequency (Hz)		50 or 60					
4	Maximum grading voltage (V)		600					
5	Rated capacity (kYA)	Number of contacts per contact :8	120			240		
		Number of contacts per contact :10	100			200		
6	Withstand short circuit Ability (kA)	Thermal stability (3s RMS)	4					
		Dynamic stability	10					
7	Number of working positions		Max. 10					
8	Tap off Off insulation level (kY)	Rated voltage	35			66		
		Maximum operating voltage	40.5			72.5		
		Power frequency test voltage (1min)	85			140		
		Impulse test voltage (1.2/50)	200			350		
9	Mechanical life		No less than 200,000 times					
10	Electrical life		No less than 50,000 times					
11	Toggle Switch Oil chamber	Working pressure	3×10 ⁴ Pa					
		Sealing performance	6×10 ⁴ Pa 24h no leakage					
		Overpressure protection	Rupture cap (4~5)×10 ⁴ Pa					
		Protective relay	QJ4-25 Set oil speed 1.0m/s±10%					
12	Weight (Kg)		about 150					
13	Accessory controller		YK-3					

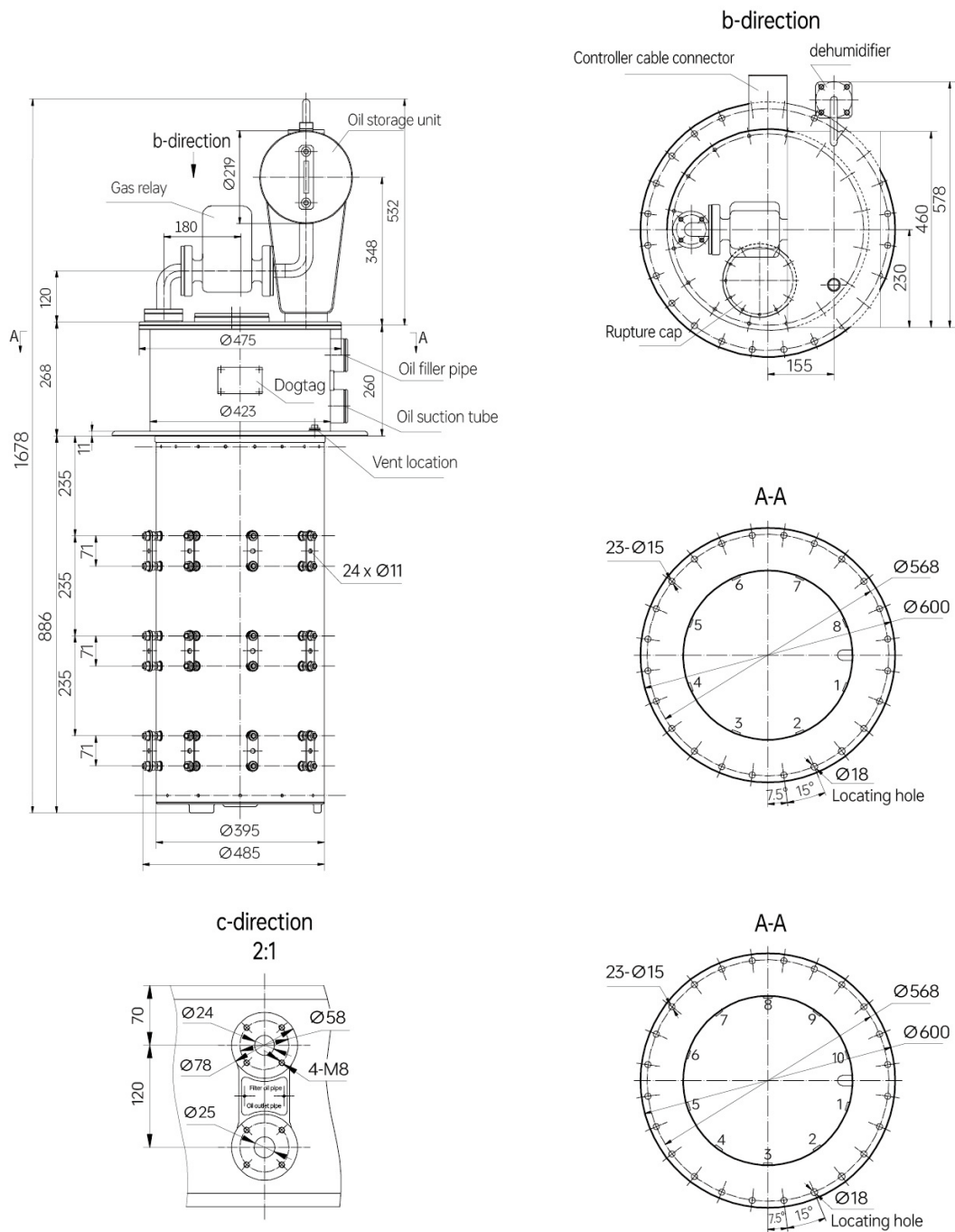
Note: The stage capacity is equal to the product of the stage voltage and the load current, and the rated stage capacity is the maximum continuously allowed stage capacity.

4. SY outline size drawing



SY1-Y200/35-7×7
 SY1-K200/35-8×7
 SY1-Y200/35-9×9
 SY1-K200/35-10×9

Figure 1 SY1-K (Y) 200/35



SY1-Y400/35-7×7
 SY1-K400/35-8×7
 SY1-Y400/35-9×9
 SY1-K400/35-10×9

Figure 2 SY1-K (Y) 400/35

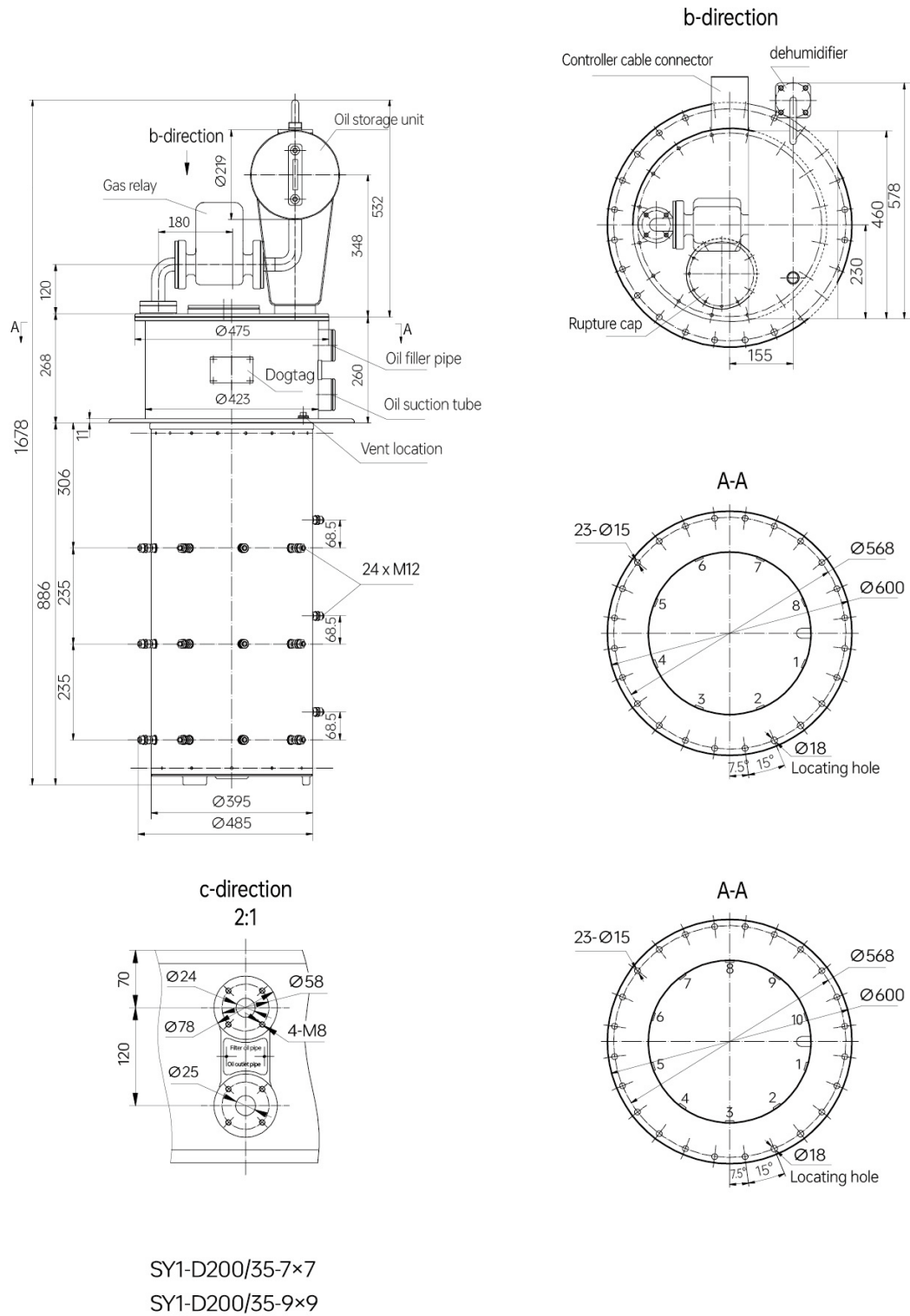


Figure 3 SY1-D200/35

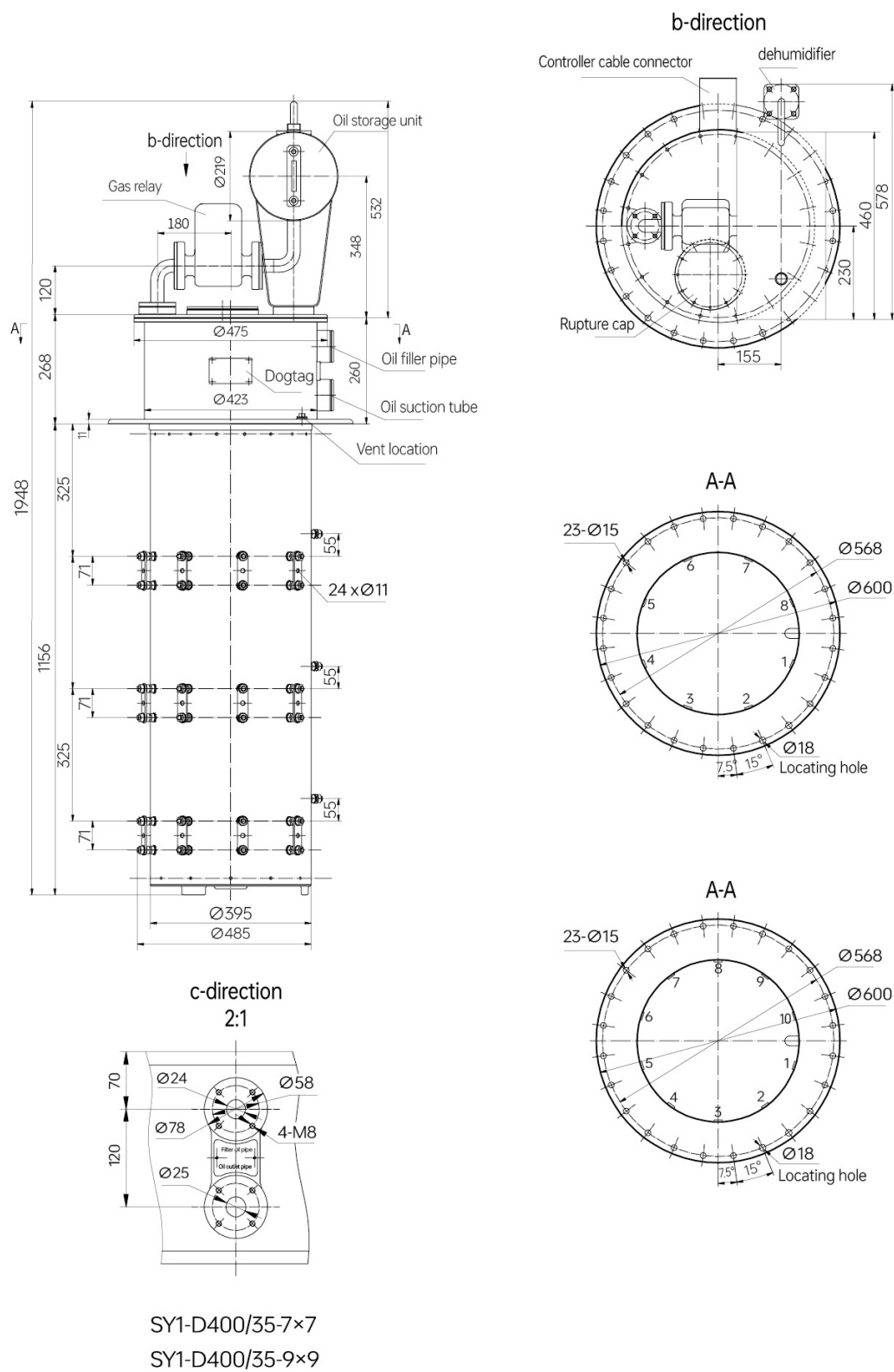


Figure 4 SY1-D400/35

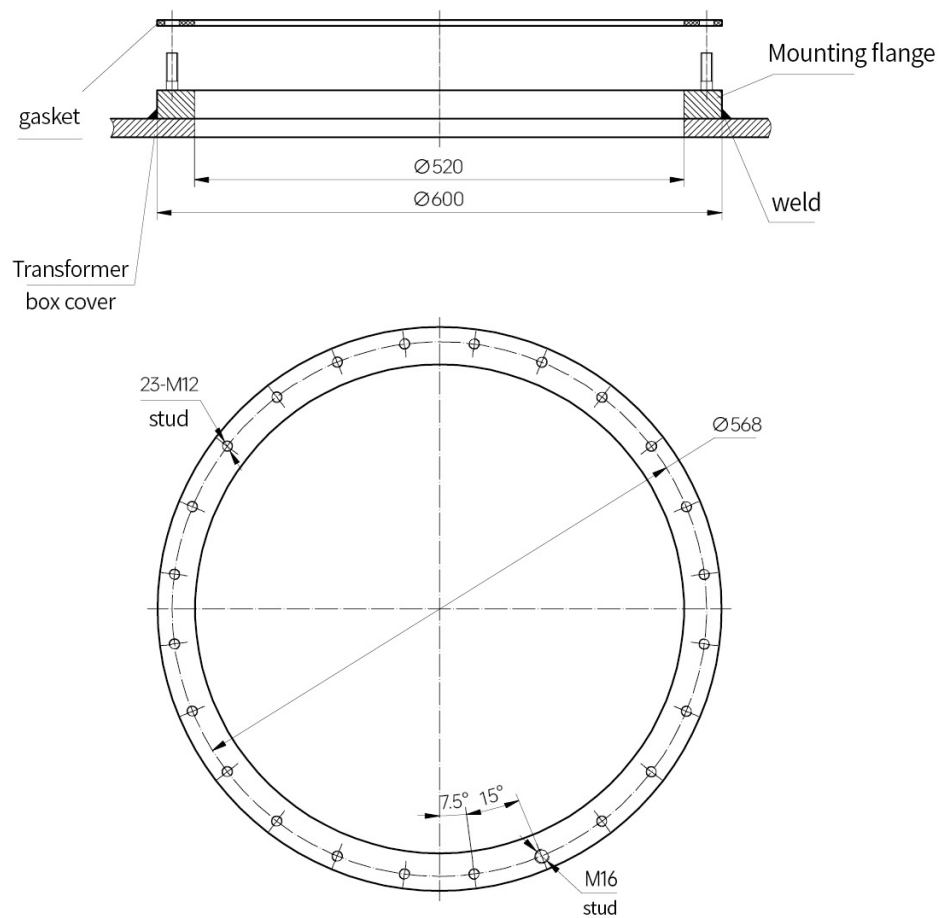


Figure 5 SY on-load tap-changer mounting flange and box cover opening control size diagram

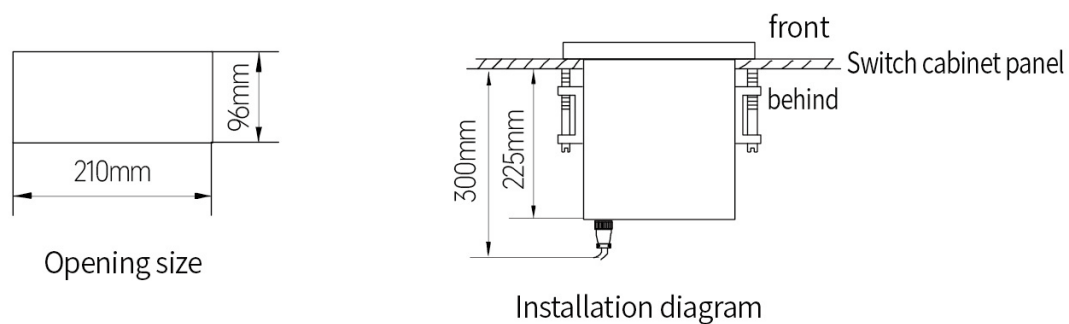


Figure 6 Installation dimensions and diagram of the YK-3 controller

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