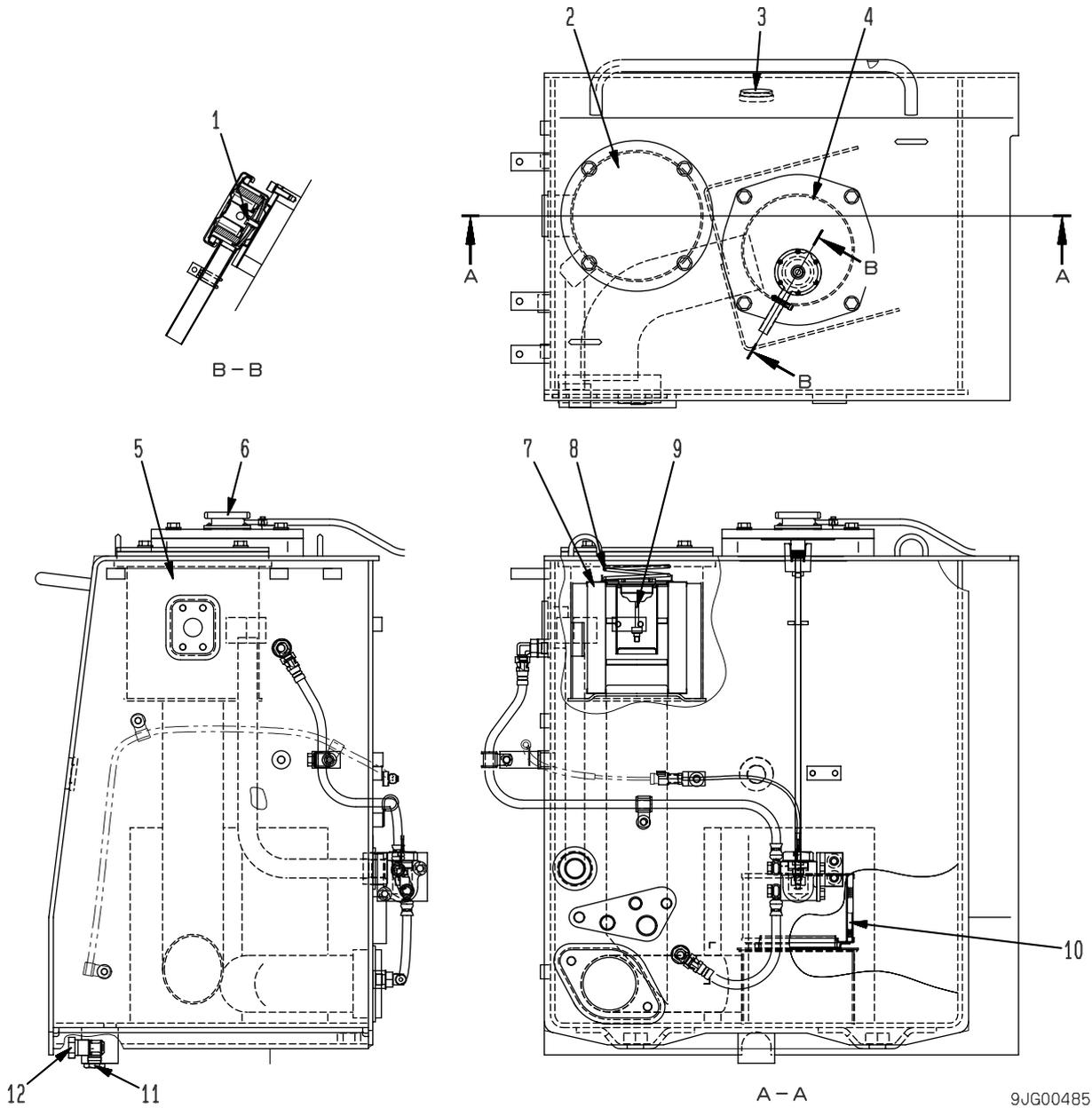


HYDRAULIC TANK



9JG00485

- 1. Pressure valve
- 2. Cover
- 3. Sight gauge
- 4. Cover
- 5. Hydraulic tank
- 6. Oil filler cap

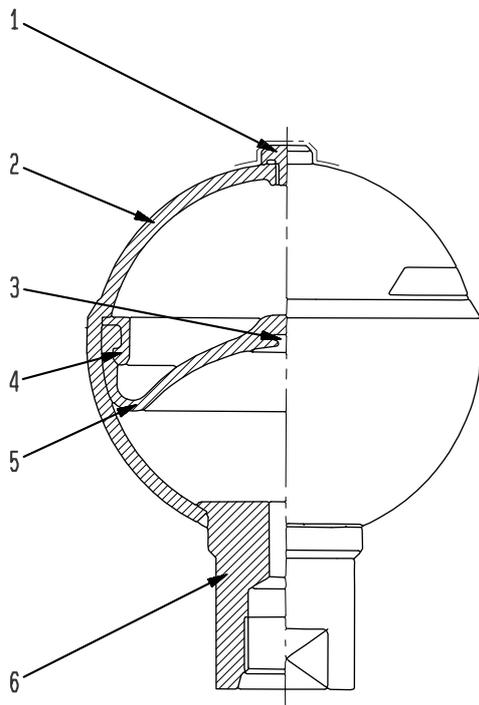
- 7. Hydraulic filter element
- 8. Spring
- 9. Suction valve
- 10. Strainer
- 11. Drain plug
- 12. Drain valve

		Specified value	
Hydraulic tank	Tank capacity (ℓ)	310	
	Level inside tank	High (ℓ)	210
		Center (ℓ)	170
		Low (ℓ)	140
Breather cap	Cracking pressure (kPa {kg/cm ² })	38.2 ± 6.9 {0.39 ± 0.07}	
	Vacuum valve actuating pressure (kPa {kg/cm ² })	0 – 0.49 {0 – 0.005 }	

		Specified value
Hydraulic filter	Cracking pressure (kPa {kg/cm ² })	150 ± 30 {1.53 ± 0.3}
	Mesh size (μm)	30/8
	Filtering area (cm ²)	17,600
	Filtering oil flow (ℓ/min)	703
Strainer	Mesh size (μm)	105
	Filtering area (cm ²)	3,600

ACCUMULATOR

For PPC valve



1. Glass plug
2. Shell
3. Poppet
4. Holder
5. Bladder
6. Oil port

Specifications:

Type of gas: Nitrogen

Gas volume: 300 cc

Max. actuation pressure: 3.1 MPa {32 kg/cm²}

Min. actuation pressure: 1.2 MPa {12 kg/cm²}

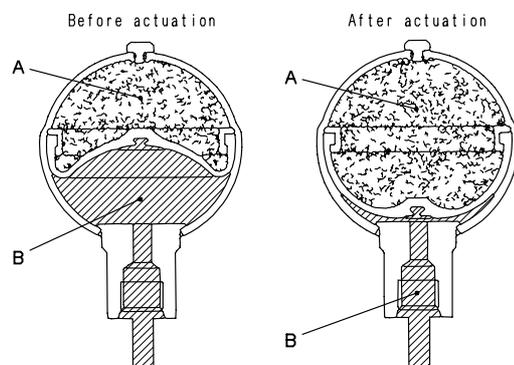
SWD04477

Function

- The accumulator is installed between the pressure reducing valve and the PPC valve. Even if the engine is stopped with the work equipment still raised, the pressure of the nitrogen gas compressed inside the accumulator sends the pilot pressure to the main control valve to actuate it and enable the work equipment to move down under its own weight.

Operation

- After the engine is stopped, when the PPC valve is at neutral, chamber **A** inside the bladder is compressed by the oil pressure in chamber **B**.
- When the PPC valve is operated, the oil pressure in chamber **B** goes below 2.9 MPa {30 kg/cm²}, and the pressure of the nitrogen gas in chamber **A** expands the bladder, so the oil in chamber **B** acts as the pilot pressure and actuates the main control valve.



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