

GNY HIGH REACH SCISSOR LIFT PANTOGRAPH

MODEL: GNY-PG4-18F



High Reach Scissor Lift Pantograph is an Aviation Refueling Equipment for military and commercial aircraft. It is mainly designed to support underwing refueling of wide body aircraft. The towable and movable stainless-steel scissor lift platform with the dispensing end is easily extended up to a connection height of 19 ½ feet maximum above ground level.

High Reach Pantograph Assembly consists of scissor arm platform, main hard pipe of four sections, plus one connecting end and fueling-end section with total ten swivel joint including light-weight non-lubricated swivel joint with fueling nozzle.

High Reach Pantograph included with Hydraulic Tank with Hand Pump Assembly, Expansion Tank with Equalizing Pressure Reservoir with Valve Assembly, Drain and Sampling Assembly, Bolts with Nylon Locknuts, Grounding Cable Reels, SPR Inlet, Butterfly Valve, Elbows, Flanges and SST Gas Spring Mechanical Balance for easy balancing Fueling-end section. An extensionable ladder is fixed at the Aluminum support frame allows to reach the platform at any position. The platform is secured with a railing and automatic closing door.

- GNY Pantograph Swivel joint, Non-Lubricated, FULL BORE, with total four hardened bearings (two ball and two rollers), four Viton® seals of main seal, O-ring, two built-in O-rings seals adjoining flanges, with three years performance warrantee, considering warrantee seal is NOT broken. Electrically Conductive without external bridges.
- GNY Pantograph Non-lubricated Swivel joint is specially designed to refuel Aviation fuel.
- A tow bar is attached for pulling the pantograph on the apron and movable by 5 MPH tow speed.

Technical Specifications: (Model: GNY-PG4-18F)

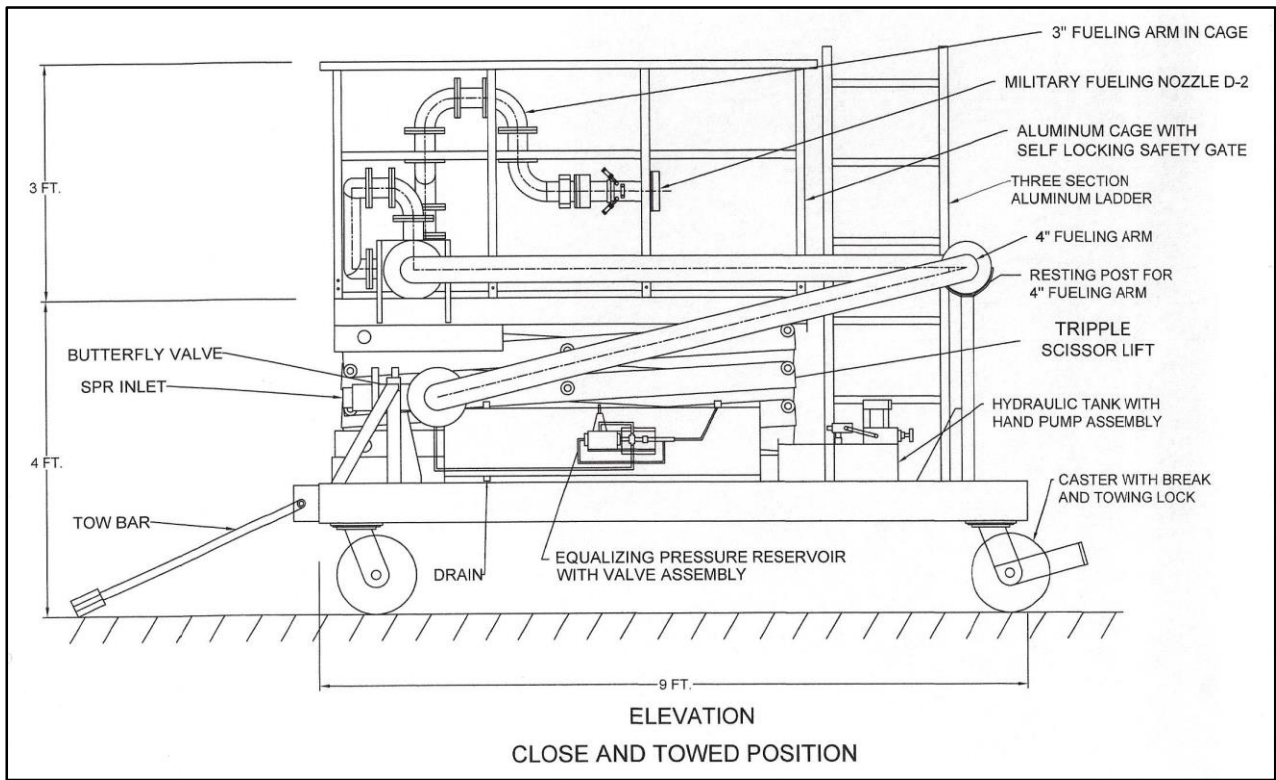
Piping Sections	2 Section (4" Diameter (≈100 mm)) and 2 Section (3" Diameter (≈80 mm))
Flow Rates	Up to 600 GPM
Working Pressure	Up to 150 PSI
Swivel Joints (Non-lubricated and Maintenance free)	4" x 150 lbs. built-in flange-ends. Unit weight 35 lbs. (D2000-4-PGSJ) 4" with special TTMA flanged ends. Unit weight 18 lbs. (D2000-4-PGSJ-T) 3" X 150 lbs. built-in flange-ends. Unit weight 22 lbs. (D2000-3-PGSJ) 3" with special TTMA flanged ends. Unit weight 11 lbs. (D2000-3-PGSJ-T)
Pressure Fueling Nozzle	Military D-1/D-2 Conf. with Hose-End Regulator.
Wheels/Casters	4 Ea. 12" Diameter heavy duty casters 2 Ea. With brake and 2 Ea. With straight going assembly. (Hand activated lock)

Materials:

Pipe, Elbows and Flanges	Stainless Steel 304L
Scissors	Carbon Steel Epoxy Coated
Platform and Ladder	Aluminum
Sealing	Viton® (Fluorocarbon)
Balancing System	Stainless Steel 304L
Swivel Joint	Stainless Steel 316L
Parking Latch and clamp	Stainless Steel 304L
Sampling, Drains and Vent	Stainless Steel 304L
Supporting Structure	Aluminum
Nuts and Bolts	Stainless Steel Self Locking

Testing and other information:

- All welding by qualified welders.
- Hydro-static test: A complete unit will be Hydro tested at 200 psi or as required.
- Quality Control Certificate from QA/QC inspector witnessing, factory assembled and sealed GNY Swivel joints with Hydro-stated at 200 psi. Quality certificates with performance guarantee are provided.
- Resting Post is provided for proper balancing of fueling arm.
- The overall electrical resistance between the flanged end and the pressure fueling nozzle is not exceed 1 kilo ohm. Grounding straps across swivel joints are not included.
- All units are supplied fully assembled, ready to use.
- In the stored position, the High Reach Pantograph must be in close and towed position.
- Approx. Gross Weight: 2500 LBS. (1800 LBS. Unit Weight)
- Shipping Box size: 119"L X 89"W X 95"H
- Variations to the standard design as per requirements are available.
- **Project Completed - FB1781:** High Reach Pantograph, Movable.....client: US Navy, Japan, Descriptions: Qty. 2) 4" x 18 feet total open height, including 5 feet of fueling end hard piping on Aluminum Hand operated pump for lifting three section scissor arm, connecting to wide range pantograph, with 12" Caster assembly....year 2019.



(Model: GNY-PG4-18F)

