

Tunnel - Blowdown facility

Equipped to do pressure investigation, heat transfer studies, and force testing.

Four interchangeable nozzles—two air and two helium.
Helium discharged to atmosphere.

Model and Model Supports - Sting and wall mount

Angle of attack 0° to 90°
True yaw angle $+10^\circ$ to -10°

Data

Nominal Mach Number	Nozzle Type	Test Medium	Throat Size, Inches	Stagnation Pressure, PSI & Run Time, Seconds	Reynolds Number per Foot	Core of Uniform Flow, Inches (Average)
6.8	Two Dimensional	Air	.093 x 11	73.5 to 543.9 70 to 100	.5 to 4×10^6	5×5
9.6	Three Dimensional	Air	.384 sq.	220.5 to 690.9 100	.3 to 1×10^6	4×4
10.5	Three Dimensional	Helium	.913 dia.	200 to 800 14	2.7 to 9.8×10^6	6 dia.
18.0	Three Dimensional	Helium	.368 dia.	400 to 1600 10	1.2 to 10×10^6	4 dia.

Status - Began operation in June, 1949

Cost:	Fiscal Year	R & D	Project No.	Note:
	1951	\$ 80,367	967	This equipment was moved from the Propeller Research tunnel. The cost of the equipment at this time was \$167,772.
	1957	11,400	1917	
	1959	38,350	3094	
T.		\$130,117		