

**PSI 9**  
**Deep Space 3 (Long Duration)**

Chamber parameters		Operational parameters		Optional equipment	
main chamber inner size D x H [m]	0.25 x 0.30	temperature range [K] stability [K]	—	temperature control	—
usable inner size D x H [m]	0.20 x 0.20	pressure [Pa]	$1 \times 10^{-10}$	pressure sensors	400 L/s Noble Vaclon PCU $1.3 \times 10^{-7}$ Pa - $1 \times 10^{-3}$ Pa
		pumping units	IGP	leak test	Leybold Heraeus Ultratest M2 pressure range $10^1$ - $10^{-4}$ Pa; Helium
irradiation windows material D x t [m]	top lid window quartz 0.08 x 0.01  2 inspection windows 1 x DN40 1 x DN100	irradiation source	254 nm Hg low pressure		
optional interface ports D [m]	CF-F: 7 x DN40 5 x DN63 1 x DN160				
special features	—				
electrical connectors interface	—				

**experiments performed:** BIOSTACK (EURECA) preflight tests, long duration astrobiological experiments