



ITEM	PART NUMBER	DESCRIPTION	QTY.
1	BA-75	Key High Vacuum Valve	1
2	DB-75	Key High Vacuum Bellow Assembly	1
3	KSF-0816-2	Key High Vacuum NW16 Stub Flange	1
4	PFS15124	Vacuum valve offset base	1
5	Parker 2-118	Vacuum Port Seal	1
6	McM 92196A193	SHCS 8-32 x 7/16	4
7	McM 92196A147	SHCS 6-32 x 7/16	4
8	PFS15126	Vacuum valve coupling	1
9	PFS15125	Vacuum valve interface	1
10	McM 94355A182	8-32 x 3/16 Set screw	3
11	McM 92785A192	Set Screw 8-32x3/8 cone point	1

Notes

1. BA-75 valve body is made from alloy 3600 brass
2. Remove actuator/bellows assembly prior to brazing
3. Use silver solder (hard solder)
4. Upon completion of soldering, valve body should be completely glass beaded, polished and cleaned to remove all flux and oxides generated while soldering.
5. Do not damage the valve seat.

**THE OBSERVATORIES
OF THE CARNEGIE INSTITUTION FOR SCIENCE**
813 Santa Barbara Street
Pasadena, CA 91101

MATERIAL	UNLESS OTHERWISE SPECIFIED FRACTIONAL DECIMAL ANGULAR ± 1/32 .XX ± 0.01 ± 0.1 DEG		
EST WEIGHT	lb	.XXX ± 0.002 GOAL .XXX ± 0.005 REQD BREAK SHARP EDGES. MACHINED SURFACES 125/ ALL DIMENSIONS IN INCHES	
SCALE	1:1	P lanet F inder S pectrograph	Vacuum valve assembly
DRWN	CRANE	5/2/2017	SHEET DRAWING B PFS15127 SHT 1 OF 1 REV