

HPS inc. Manifold Application Data 9799D

COMPANY : ADDRESS : CITY, STATE, ZIP : INDIVIDUAL'S NAME :	DATE : SALES ENGR. : PHONE : FAX : TITLE :
PAGE : 1 OF TERR. :	
ROTARY MANIFOLD: <input type="checkbox"/> NEW DESIGN <input type="checkbox"/> EXISTING DESIGN EQUIPMENT USED ON : CONTAINS () NUMBER OF SEAL GLANDS: NATURE OF PROBLEM : SEAL NOW BEING USED : FAILED SAMPLES : <input type="checkbox"/> YES <input type="checkbox"/> NO SEAL MATERIAL :	

MOTION

SERVICE : <input type="checkbox"/> CONTINUOUS	R.P.M.	NORMAL :	MAX. :
<input type="checkbox"/> INTERMEDIATE FREQUENCY	SURFACE SPEED (FPM)	NORMAL :	MAX. :

NOTE : Seal Gland Numbers and System Port Letters - Begin at the TOP of the Rotary Manifold Assembly.

SEAL GLAND NO. 1 : OPERATING MEDIA / CRITERIA OF SYSTEM PORT " A "

MEDIA TYPE :	<input type="checkbox"/> PNEUMATIC	<input type="checkbox"/> HYD. FLUID	<input type="checkbox"/> GAS	<input type="checkbox"/> VACUUM
TYPE / CLASS :	BRAND / NO. :			
PRESSURE (UNITS) :	<input type="checkbox"/> PSI	<input type="checkbox"/> BAR	<input type="checkbox"/> kg/cm ²	MAX. TEST PRESSURE :
OPERATING PRESSURE :	NORMAL :			MIN. : MAX. :
MAX. SPIKE PRESSURE :				PRESSURE DWELL TIME :
TEMPERATURE (UNITS) :	<input type="checkbox"/> °F	<input type="checkbox"/> °C	AMBIENT TEMPERATURE :	
SYSTEM TEMPERATURE :	NORMAL :		MIN. : MAX. :	
LEAKAGE TOLERATED :	CYCLE :	TIME :	VOLUME :	
LIFE / WARRANTY REQUIREMENT :				

SEAL GLAND NO. 2 : OPERATING MEDIA / CRITERIA OF SYSTEM PORT " B "

MEDIA TYPE :	<input type="checkbox"/> PNEUMATIC	<input type="checkbox"/> HYD. FLUID	<input type="checkbox"/> GAS	<input type="checkbox"/> VACUUM
TYPE / CLASS :	BRAND / NO. :			
PRESSURE (UNITS) :	<input type="checkbox"/> PSI	<input type="checkbox"/> BAR	<input type="checkbox"/> kg/cm ²	MAX. TEST PRESSURE :
OPERATING PRESSURE :	NORMAL :			MIN. : MAX. :
MAX. SPIKE PRESSURE :				PRESSURE DWELL TIME :
TEMPERATURE (UNITS) :	<input type="checkbox"/> °F	<input type="checkbox"/> °C	AMBIENT TEMPERATURE :	
SYSTEM TEMPERATURE :	NORMAL :		MIN. : MAX. :	
LEAKAGE TOLERATED :	CYCLE :	TIME :	VOLUME :	
LIFE / WARRANTY REQUIREMENT :				

SEAL GLAND DESIGN INFORMATION

I.D. DYNAMIC SEAL DESIGN	O.D. DYNAMIC SEAL DESIGN
CENTER PIN DIA. : /	BORE DIA. : /
SEAL GROOVE DIA. : /	SEAL GROOVE DIA. : /
GROOVE LENGTH : /	GROOVE LENGTH : /
CENTER PIN CLEARANCE DIA. : /	SPOOL DIA. : /
CENTER PIN MAT'L. :	BORE MAT'L. :
CENTER PIN FINISH :	BORE FINISH :
GLAND MAT'L. :	SPOOL MAT'L. :
GLAND FINISH :	SPOOL FINISH :

CONVERSION FACTORS

PRESSURE :	14.5 PSI = 1 BAR	14.22 PSI = 1 kg / cm ² (J.I.S. STANDARD)
TEMPERATURE :	5 (° F - 32) / 9 = 1 ° C	9 (° C + 32) / 5 = 1 ° F

COMMENTS / RECOMMENDATIONS

APPLICATION ENGINEERING PROJECT NUMBER : AE-	DATE :
<input type="checkbox"/> APPROVED <input type="checkbox"/> REJECTED AE SIGNATURE :	

COMPANY :	DATE :	PAGE : 2 OF
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SEAL GLAND NO. 3 : OPERATING MEDIA / CRITERIA OF SYSTEM PORT " C "

MEDIA TYPE : <input type="checkbox"/> PNEUMATIC <input type="checkbox"/> HYD. FLUID <input type="checkbox"/> GAS <input type="checkbox"/> VACUUM	
TYPE / CLASS : BRAND / NO. :	
PRESSURE (UNITS) : <input type="checkbox"/> PSI <input type="checkbox"/> BAR <input type="checkbox"/> kg/cm ²	MAX. TEST PRESSURE :
OPERATING PRESSURE : NORMAL :	MIN. : MAX. :
MAX. SPIKE PRESSURE :	PRESSURE DWELL TIME :
TEMPERATURE (UNITS) : <input type="checkbox"/> °F <input type="checkbox"/> °C	AMBIENT TEMPERATURE :
SYSTEM TEMPERATURE : NORMAL :	MIN. : MAX. :
LEAKAGE TOLERATED : CYCLE :	TIME : VOLUME :
LIFE / WARRANTY REQUIREMENT :	

SEAL GLAND NO. 4 : OPERATING MEDIA / CRITERIA OF SYSTEM PORT " D "

MEDIA TYPE : <input type="checkbox"/> PNEUMATIC <input type="checkbox"/> HYD. FLUID <input type="checkbox"/> GAS <input type="checkbox"/> VACUUM	
TYPE / CLASS : BRAND / NO. :	
PRESSURE (UNITS) : <input type="checkbox"/> PSI <input type="checkbox"/> BAR <input type="checkbox"/> kg/cm ²	MAX. TEST PRESSURE :
OPERATING PRESSURE : NORMAL :	MIN. : MAX. :
MAX. SPIKE PRESSURE :	PRESSURE DWELL TIME :
TEMPERATURE (UNITS) : <input type="checkbox"/> °F <input type="checkbox"/> °C	AMBIENT TEMPERATURE :
SYSTEM TEMPERATURE : NORMAL :	MIN. : MAX. :
LEAKAGE TOLERATED : CYCLE :	TIME : VOLUME :
LIFE / WARRANTY REQUIREMENT :	

SEAL GLAND NO. 5 : OPERATING MEDIA / CRITERIA OF SYSTEM PORT " E "

MEDIA TYPE : <input type="checkbox"/> PNEUMATIC <input type="checkbox"/> HYD. FLUID <input type="checkbox"/> GAS <input type="checkbox"/> VACUUM	
TYPE / CLASS : BRAND / NO. :	
PRESSURE (UNITS) : <input type="checkbox"/> PSI <input type="checkbox"/> BAR <input type="checkbox"/> kg/cm ²	MAX. TEST PRESSURE :
OPERATING PRESSURE : NORMAL :	MIN. : MAX. :
MAX. SPIKE PRESSURE :	PRESSURE DWELL TIME :
TEMPERATURE (UNITS) : <input type="checkbox"/> °F <input type="checkbox"/> °C	AMBIENT TEMPERATURE :
SYSTEM TEMPERATURE : NORMAL :	MIN. : MAX. :
LEAKAGE TOLERATED : CYCLE :	TIME : VOLUME :
LIFE / WARRANTY REQUIREMENT :	

SEAL GLAND NO. 6 : OPERATING MEDIA / CRITERIA OF SYSTEM PORT " F "

MEDIA TYPE : <input type="checkbox"/> PNEUMATIC <input type="checkbox"/> HYD. FLUID <input type="checkbox"/> GAS <input type="checkbox"/> VACUUM	
TYPE / CLASS : BRAND / NO. :	
PRESSURE (UNITS) : <input type="checkbox"/> PSI <input type="checkbox"/> BAR <input type="checkbox"/> kg/cm ²	MAX. TEST PRESSURE :
OPERATING PRESSURE : NORMAL :	MIN. : MAX. :
MAX. SPIKE PRESSURE :	PRESSURE DWELL TIME :
TEMPERATURE (UNITS) : <input type="checkbox"/> °F <input type="checkbox"/> °C	AMBIENT TEMPERATURE :
SYSTEM TEMPERATURE : NORMAL :	MIN. : MAX. :
LEAKAGE TOLERATED : CYCLE :	TIME : VOLUME :
LIFE / WARRANTY REQUIREMENT :	

SEAL GLAND NO. 7 : OPERATING MEDIA / CRITERIA OF SYSTEM PORT " G "

MEDIA TYPE : <input type="checkbox"/> PNEUMATIC <input type="checkbox"/> HYD. FLUID <input type="checkbox"/> GAS <input type="checkbox"/> VACUUM	
TYPE / CLASS : BRAND / NO. :	
PRESSURE (UNITS) : <input type="checkbox"/> PSI <input type="checkbox"/> BAR <input type="checkbox"/> kg/cm ²	MAX. TEST PRESSURE :
OPERATING PRESSURE : NORMAL :	MIN. : MAX. :
MAX. SPIKE PRESSURE :	PRESSURE DWELL TIME :
TEMPERATURE (UNITS) : <input type="checkbox"/> °F <input type="checkbox"/> °C	AMBIENT TEMPERATURE :
SYSTEM TEMPERATURE : NORMAL :	MIN. : MAX. :
LEAKAGE TOLERATED : CYCLE :	TIME : VOLUME :
LIFE / WARRANTY REQUIREMENT :	

COMPANY :	DATE :	PAGE : 3 OF
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SEAL GLAND NO. 8 :	OPERATING MEDIA / CRITERIA OF SYSTEM PORT " H "
MEDIA TYPE : <input type="checkbox"/> PNEUMATIC <input type="checkbox"/> HYD. FLUID <input type="checkbox"/> GAS <input type="checkbox"/> VACUUM	TYPE / CLASS : BRAND / NO. :
PRESSURE (UNITS) : <input type="checkbox"/> PSI <input type="checkbox"/> BAR <input type="checkbox"/> kg/cm ²	MAX. TEST PRESSURE :
OPERATING PRESSURE : NORMAL :	MIN. : MAX. :
MAX. SPIKE PRESSURE :	PRESSURE DWELL TIME :
TEMPERATURE (UNITS) : <input type="checkbox"/> °F <input type="checkbox"/> °C	AMBIENT TEMPERATURE :
SYSTEM TEMPERATURE : NORMAL :	MIN. : MAX. :
LEAKAGE TOLERATED : CYCLE :	TIME : VOLUME :
LIFE / WARRANTY REQUIREMENT :	

SEAL GLAND NO. 9 :	OPERATING MEDIA / CRITERIA OF SYSTEM PORT " I "
MEDIA TYPE : <input type="checkbox"/> PNEUMATIC <input type="checkbox"/> HYD. FLUID <input type="checkbox"/> GAS <input type="checkbox"/> VACUUM	TYPE / CLASS : BRAND / NO. :
PRESSURE (UNITS) : <input type="checkbox"/> PSI <input type="checkbox"/> BAR <input type="checkbox"/> kg/cm ²	MAX. TEST PRESSURE :
OPERATING PRESSURE : NORMAL :	MIN. : MAX. :
MAX. SPIKE PRESSURE :	PRESSURE DWELL TIME :
TEMPERATURE (UNITS) : <input type="checkbox"/> °F <input type="checkbox"/> °C	AMBIENT TEMPERATURE :
SYSTEM TEMPERATURE : NORMAL :	MIN. : MAX. :
LEAKAGE TOLERATED : CYCLE :	TIME : VOLUME :
LIFE / WARRANTY REQUIREMENT :	

SEAL GLAND NO. 10 :	OPERATING MEDIA / CRITERIA OF SYSTEM PORT " J "
MEDIA TYPE : <input type="checkbox"/> PNEUMATIC <input type="checkbox"/> HYD. FLUID <input type="checkbox"/> GAS <input type="checkbox"/> VACUUM	TYPE / CLASS : BRAND / NO. :
PRESSURE (UNITS) : <input type="checkbox"/> PSI <input type="checkbox"/> BAR <input type="checkbox"/> kg/cm ²	MAX. TEST PRESSURE :
OPERATING PRESSURE : NORMAL :	MIN. : MAX. :
MAX. SPIKE PRESSURE :	PRESSURE DWELL TIME :
TEMPERATURE (UNITS) : <input type="checkbox"/> °F <input type="checkbox"/> °C	AMBIENT TEMPERATURE :
SYSTEM TEMPERATURE : NORMAL :	MIN. : MAX. :
LEAKAGE TOLERATED : CYCLE :	TIME : VOLUME :
LIFE / WARRANTY REQUIREMENT :	

SEAL GLAND NO. 11 :	OPERATING MEDIA / CRITERIA OF SYSTEM PORT " K "
MEDIA TYPE : <input type="checkbox"/> PNEUMATIC <input type="checkbox"/> HYD. FLUID <input type="checkbox"/> GAS <input type="checkbox"/> VACUUM	TYPE / CLASS : BRAND / NO. :
PRESSURE (UNITS) : <input type="checkbox"/> PSI <input type="checkbox"/> BAR <input type="checkbox"/> kg/cm ²	MAX. TEST PRESSURE :
OPERATING PRESSURE : NORMAL :	MIN. : MAX. :
MAX. SPIKE PRESSURE :	PRESSURE DWELL TIME :
TEMPERATURE (UNITS) : <input type="checkbox"/> °F <input type="checkbox"/> °C	AMBIENT TEMPERATURE :
SYSTEM TEMPERATURE : NORMAL :	MIN. : MAX. :
LEAKAGE TOLERATED : CYCLE :	TIME : VOLUME :
LIFE / WARRANTY REQUIREMENT :	

SEAL GLAND NO. 12 :	OPERATING MEDIA / CRITERIA OF SYSTEM PORT " L "
MEDIA TYPE : <input type="checkbox"/> PNEUMATIC <input type="checkbox"/> HYD. FLUID <input type="checkbox"/> GAS <input type="checkbox"/> VACUUM	TYPE / CLASS : BRAND / NO. :
PRESSURE (UNITS) : <input type="checkbox"/> PSI <input type="checkbox"/> BAR <input type="checkbox"/> kg/cm ²	MAX. TEST PRESSURE :
OPERATING PRESSURE : NORMAL :	MIN. : MAX. :
MAX. SPIKE PRESSURE :	PRESSURE DWELL TIME :
TEMPERATURE (UNITS) : <input type="checkbox"/> °F <input type="checkbox"/> °C	AMBIENT TEMPERATURE :
SYSTEM TEMPERATURE : NORMAL :	MIN. : MAX. :
LEAKAGE TOLERATED : CYCLE :	TIME : VOLUME :
LIFE / WARRANTY REQUIREMENT :	