Inflatable seal APPLICATION DATA SHEET

BARNWELL THE SEAL OF APPROVAL

M Barnwell Services Ltd. www.barnwell.co.uk sales@barnwell.co.uk

Application Ref Number		Date	
QTE Number			
Customer Details			
Company		End Customer	
Project Contact		Market Sector	
Telephone Number		Installation Location	
Email		Existing or New Design *	
*If Design is existing; wh	at are the main drivers for resou	urcing (quality, service life, cost etc.)	









Sealed End Length



End Type	
A Overall Length	mm/inches
B Sealing face length	mm/inches
D Transition length	mm/inches
C Dead spot (no expansion)	mm/inches
Valve position	

*Please note: there is a dead spot at each end of the length where there will be zero expansion, there is also a transition area of minimal inflation due to restriction from the sealed end.

Where fully expandable lengths are required call out team and ask about our membrane technology

	Minim	um	Oper	ating	Ma	ximum	Unit	Other Fac	tors
Temperature									
Pressure									
Media	Tick all th	nat apply							
		Hydraulic Oil		Water		Steam			Liquid
		Hydrocarbons		Ethers		Acids			Vapour
	Esters			Alcohols	Alkalis				Gas
	List all ch with the	emicals in contact seal. Include CIP							
Dynamics									
Number of Cycles	s Per hour			Per day		Per week		Per mo	nth
Period of inflation	n Seconds			Minutes		Hours		Other	
Period of Deflation		Seconds		Minutes		Hours		Other	

Valves (Other types available on request)



ØE	4	6	8	10	12
M	M6	M8	M10	M12	M14
ØJ	1,5	3	5	6	6
K	12	16	16	20	20
L	30 35 40 50	30 35 40 50 60	40 50 60 70 80 90	40 50 60 70 80 90	40 50 60 70 80 90 100
SxR	5x6	6x6	8x8	10x8 -	11x8



M	M4	M6	76,5 x 0,79	M8	1/8G	M10	1/8NPT	M12	1/4G	M14	M16
ØJ	1,2	3	3	3	1,2	1,2	1,2	1,2	1,2	1,2	1,2
L	15 20 25 30 35 40 50	15 20 25 30 35 40 50	20 25 30 35 40 50 60	15 20 25 30 35 40 50 60	20 25 30 35 40 50 60 70	20 25 30 35 40 50 60 70	20 25 30 35 40 50 60 70	20 25 30 35 40 50 60 70	20 25 30 35 40 50 60 70	30 35 40 45 50 60 70 80	40 45 50 60 70 80 90 100
SxR	3x4	5x6	6x6	6x8	8x8	8x8	8x8	10x8	10x8	11x8	13x10



ØE	4	6	8	10	12	14	16
ØJ	1,5	3,4	3,4	5	6,8	6,8	8,5
L	15 20 25 30 40	15 20 25 30 35 40 50	20 25 30 35 40 50	25 30 35 40 45 50 60	30 35 40 45 50 60 70	35 40 45 50 60 70 80	45 50 60 70 80 90



M	M10	M12	M14
ØJ	3	5	7
dxD	4x6	6x8	8x10
L	50 60 70	50 60 70 80	60 70 80 90
SxR	8x8	10x8	12x8

Our standard fittings and valves are manufactured from brass; other materials are available upon



ØT1	4	6	8	10	12	14
ØT	4H8	6H8	8H8	10H8	12H8	14H8
ØJ	1	1,5	2	4	5	6.8
OringN°	11018	15001	15004	15006	15007	15008
L	15 20 25 30 40	15 20 25 30 35 40 50	15 20 25 30 35 40 50	20 25 30 35 40 45 50 60	25 30 35 40 45 50 60 70	35 40 45 50 60 70 80

request (bronze, stainless steel, etc.

Size

Over-moulded Cone (standard type)



Other types available
upon request

Core Size

0.70

(18)

1.18

(30) 0.86

(22)

0.47

(12)

Elastomer and Compliance

Elastomer Type

Compliance

Not	Notes																			