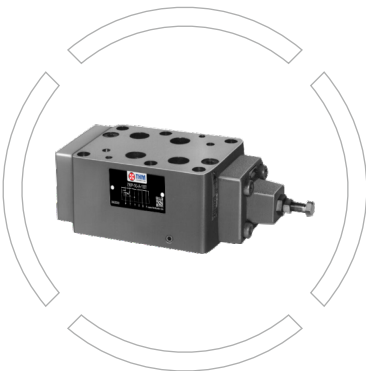


ZR*

Reducing Modular Valves
Size: NG16, NG22, NG32
Max. operating pressure up to 350 bar
Max. flow up to 800 L/min.



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• Ordering code	02
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• Performance Characteristics Curves NG22	04
• Performance Characteristics Curves NG32	05
• Unit Dimensions NG16	06
• Unit Dimensions NG22	07
• Unit Dimensions NG32	08

Specifications

Model Number	Max. Operating Pressure Kg/cm ²	Max. Flow L/min.
(F-) ZR* -16-A-10	350	100
(F-) ZR* -16-C-10 ^B _H		300
ZR* -22-A-70		125
ZR* -22-C-70 ^B _H		500
ZR* -32-A-30/3090	250	250
ZR* -32-C-30/3090 ^B _H		800



Ordering code

Seals:

Mineral oil
Phosphate ester

= No code
= F

Reducing Valve for P-Line
Reducing Valve for A-Line
Reducing Valve for B-Line

= ZRP
= ZRA
= ZRB

Valve Size

NG16
NG22
NG32

= 16
= 22
= 32

Pressure Adjustment Range:

7~70 bar
15~70 bar
35~140 bar
70~250 bar

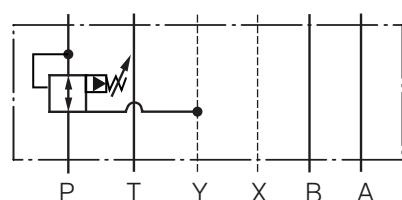
= A
= B
= C
= H

Design Number:

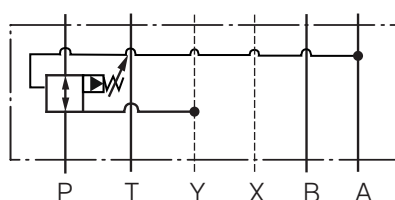
For NG16
For NG22
For NG32

= 10T
= 70T
= 30T

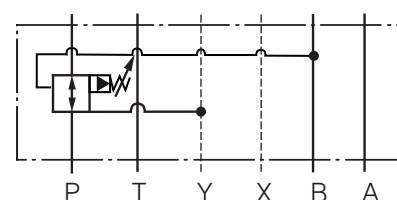
Graphic Symbols



ZRP



ZRA

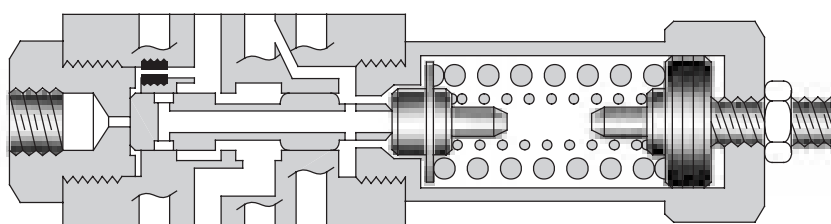


ZRB

• Instructions:

The minimum adjustment pressure equals the value obtained from the minimum adjustment pressure characteristics plus the tank line back pressure of the next page. This back pressure should include the value of the T-line pressure drop characteristics of the valves stacked to the base plate side of the modular valve.

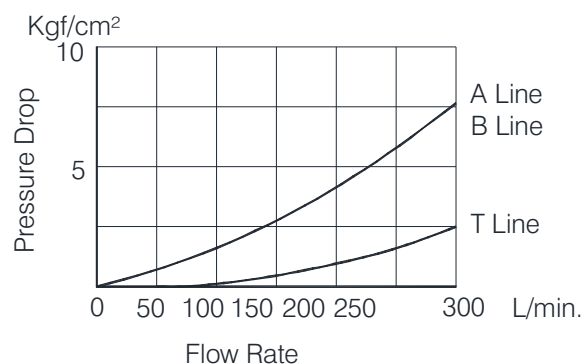
To make pressure adjustment, loosen the lock nut and turn the pressure adjustment screw clockwise or anti-clockwise. For an increase of pressure, turn the screw clockwise. Be sure to re-tighten the lock nut firmly after making adjustment to the pressure.



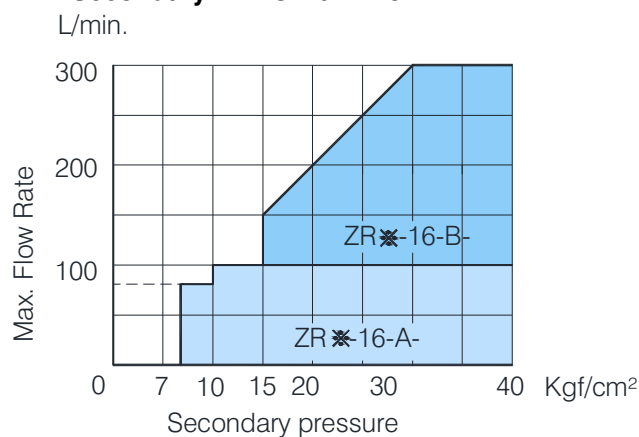


Performance Characteristics NG16

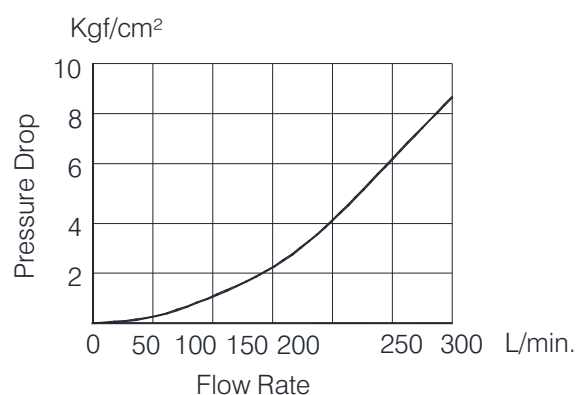
Pressure Drop



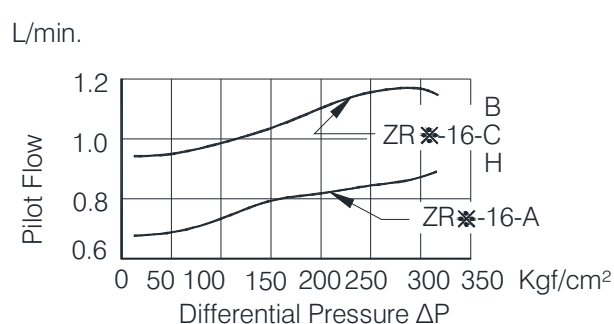
Secondary Pr. Vs Max. Flow



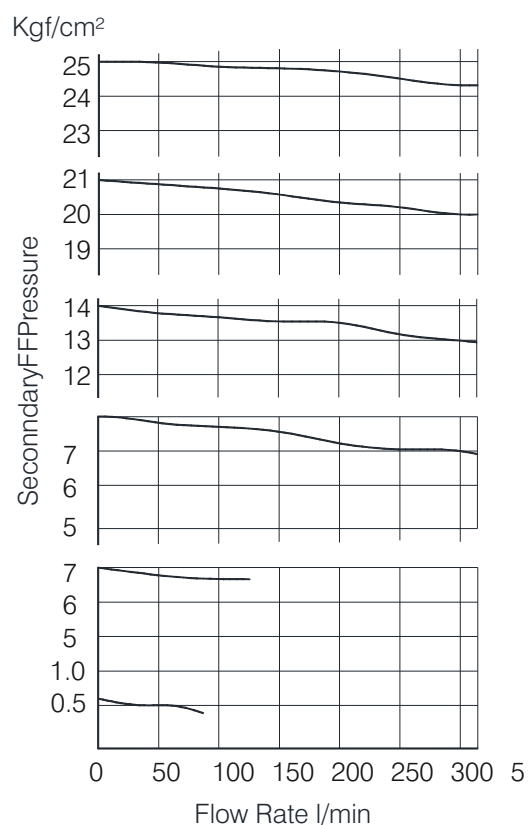
Pr. Drop At Spool Fully Open (P Line)



Pilot Flow



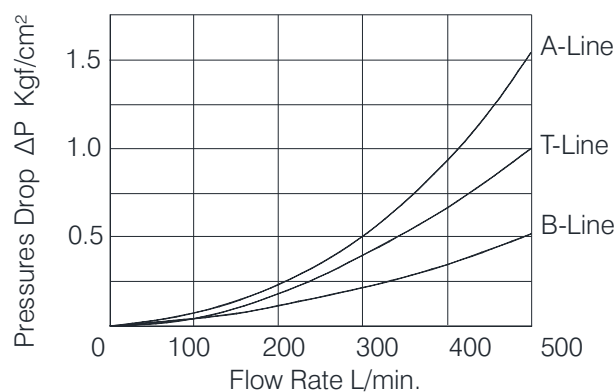
Nominal Over ride Characteristics



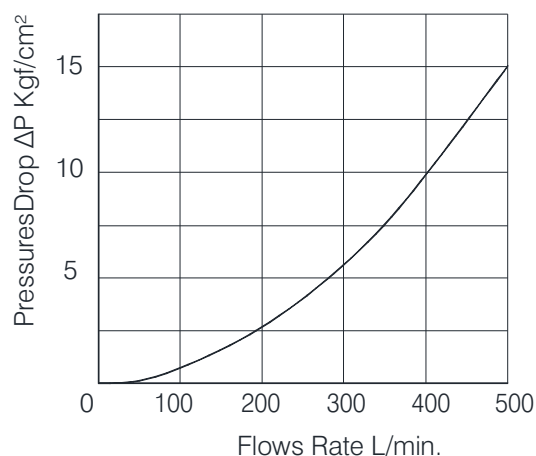


Performance Characteristics NG22

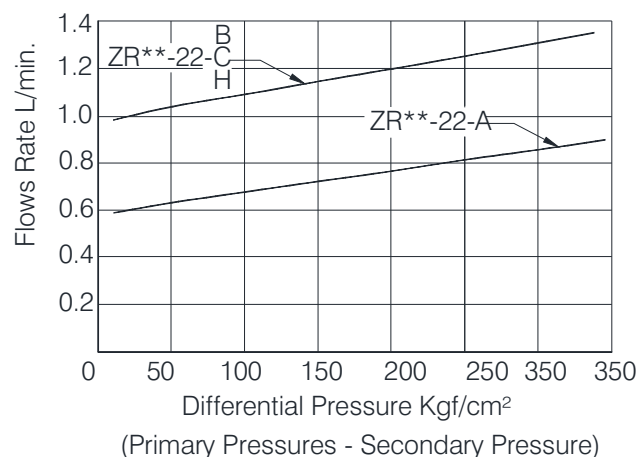
Pressure Drop



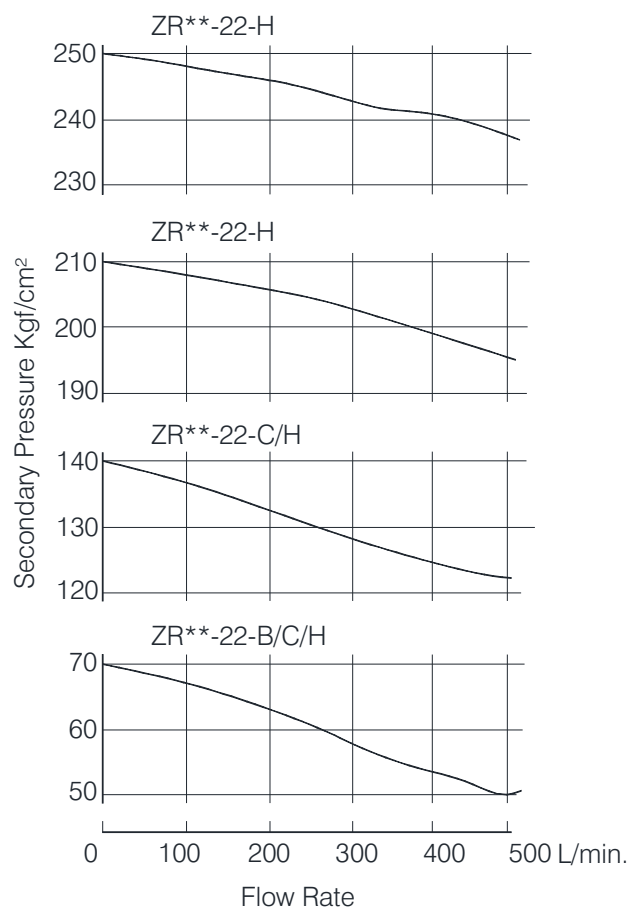
Pressure Drop at Spool Fully Open (P-Line)



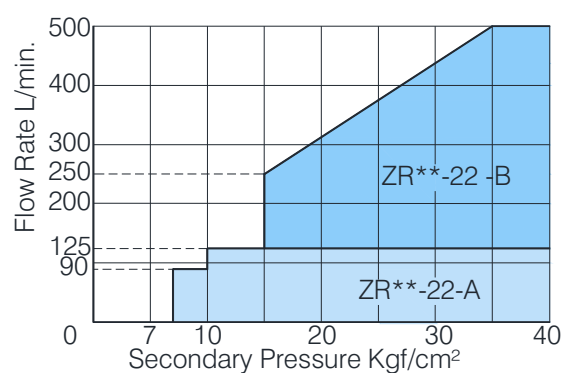
Pilot Flow



Nominal Override Characteristics



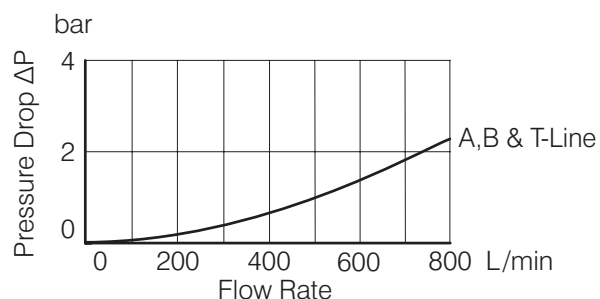
Secondary Pressure Vs. Max. Flow



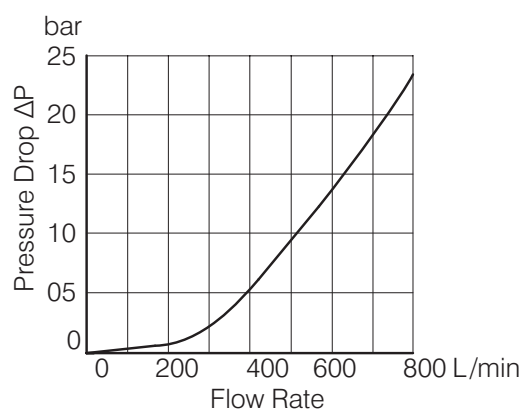


Performance Characteristics NG32

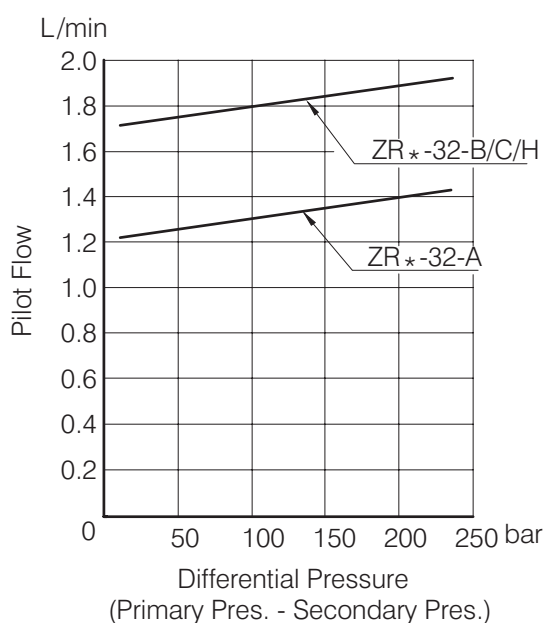
Pressure Drop



Pressure Drop at Spool Fully Open (P-Line)

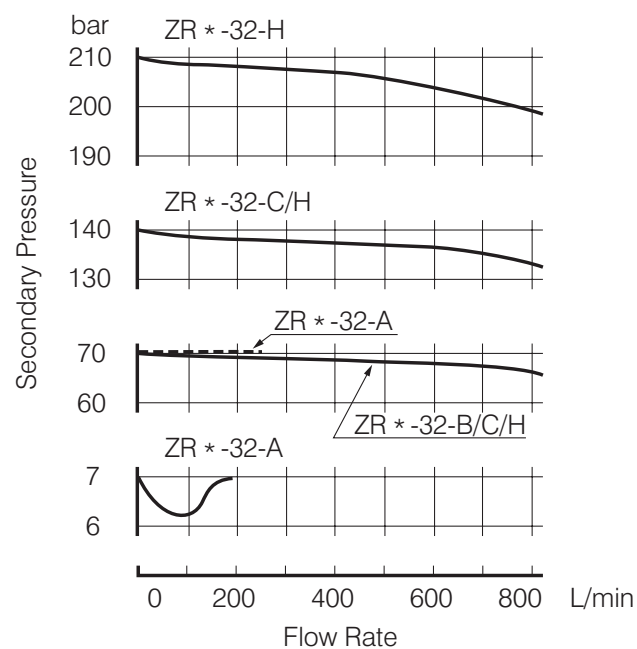


Pilot Flow

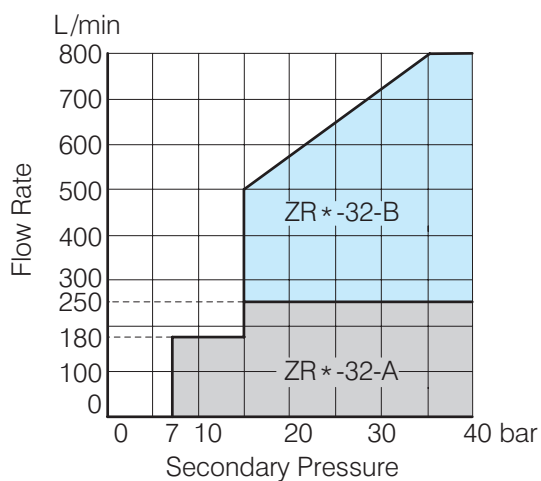


Nominal Override Characteristics

Primary Pressure 250 bar



Secondary Pressure vs. Max. Flow





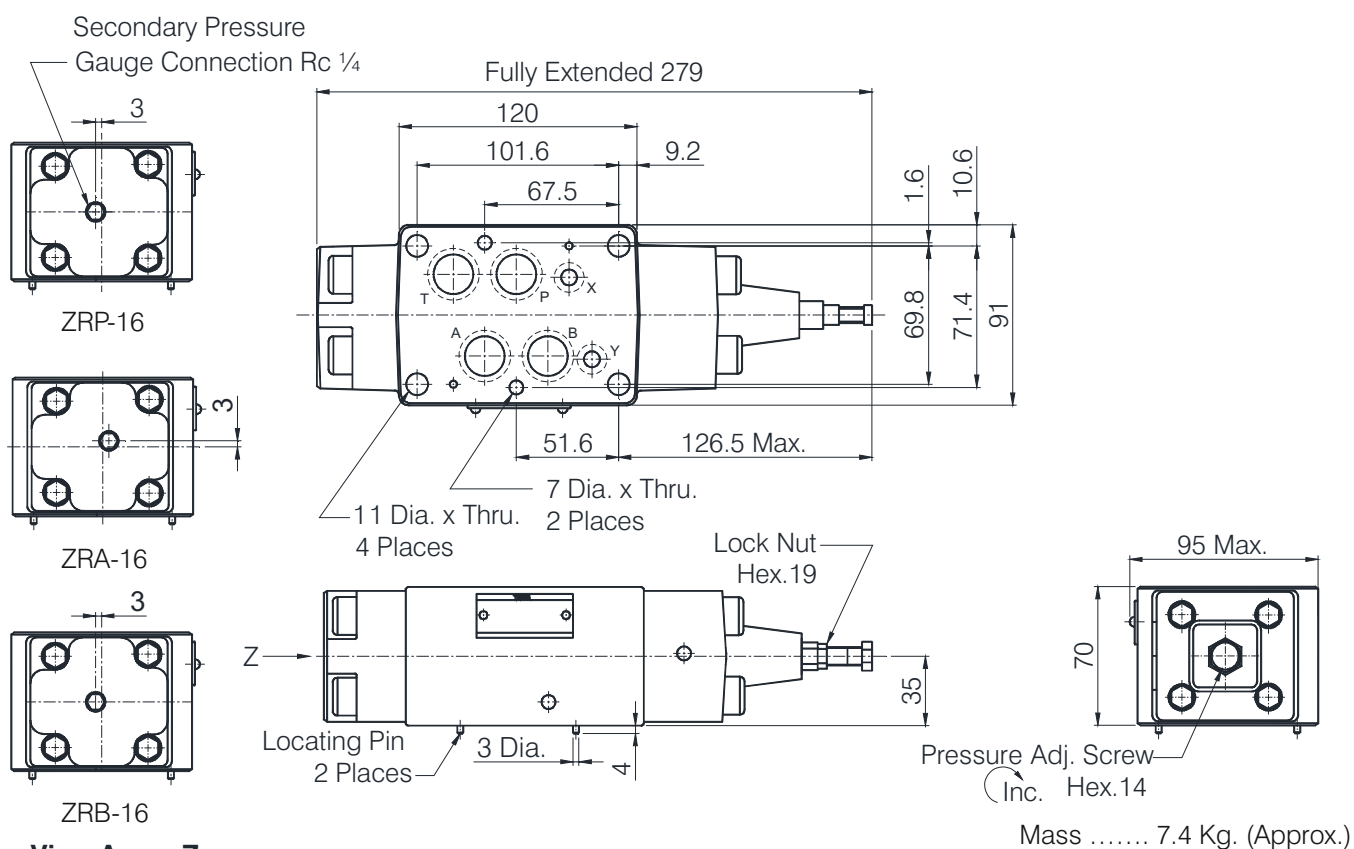
Unit Dimensions NG16

(Dimensions in mm)

ZRP-16-**-10

ZRA-16-**-10

ZRB-16-**-10



View Arrow Z

Spare Parts List

List of Seals

Sl. no.	Name of Parts	Part Numbers	Qty.
1	O-Ring	SO-NB-P28	2
2	O-Ring	SO-NB-P22	4
3	O-Ring	SO-NB-P9	7
4	O-Ring	SO-NA-P9	1

List of Seals

Model Numbers	Seal Kit Numbers
ZRP-16	KS-ZRP-16-10
ZRA-16	
ZRB-16	



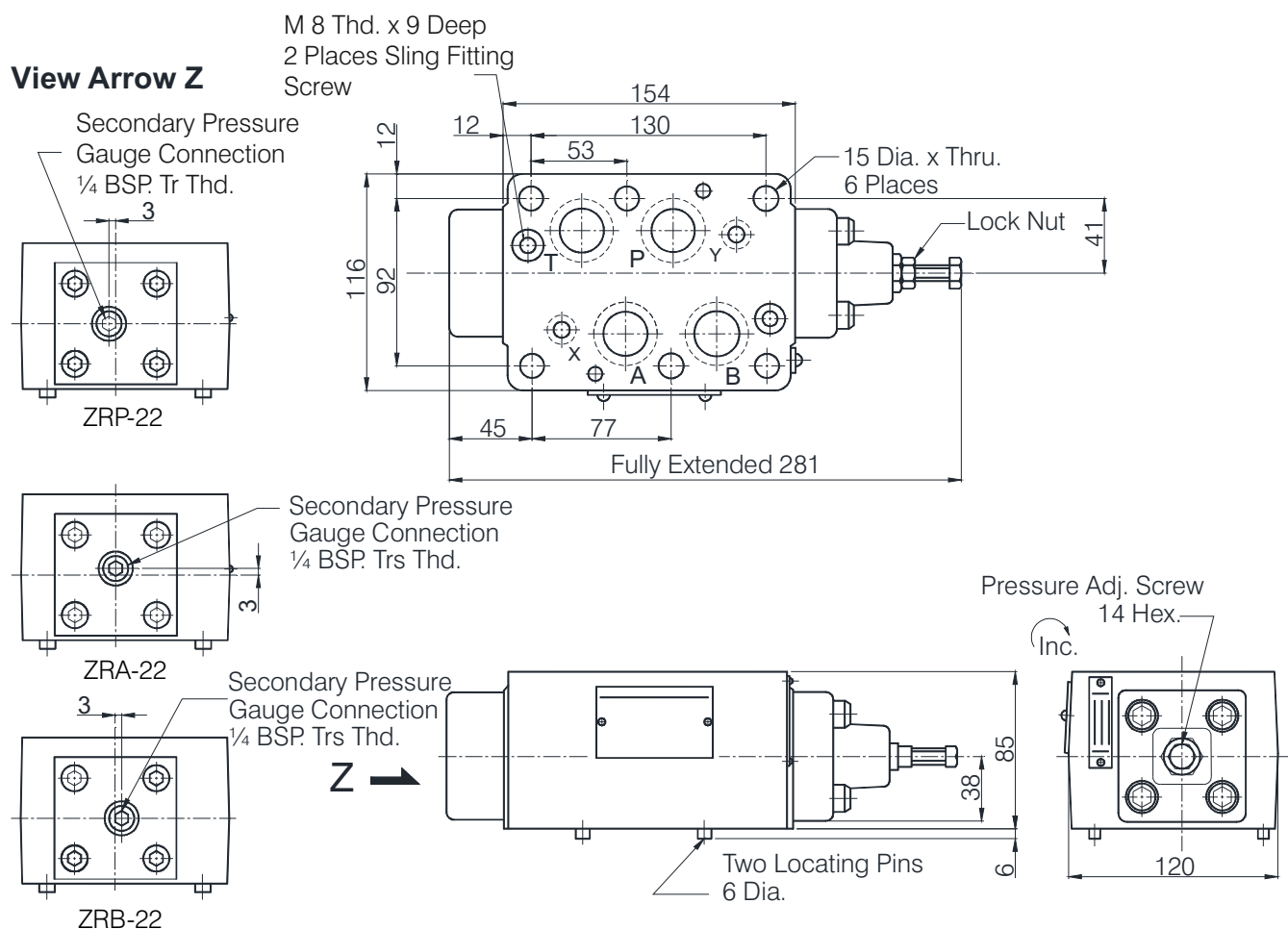
Unit Dimensions NG22

(Dimensions in mm)

ZRP-22-**-70

ZRA-22-**-70

ZRB-22-**-70



Mass 11.1 Kg (Approx)

Spare Parts List

List of Seals

Sl. no.	Name of Parts	Part Numbers	Qty.
1	O-Ring	SO-NA-P9	1
2	O-Ring	SO-NB-P9	5
3	O-Ring	SO-NB-P14	2
4	O-Ring	SO-NB-P28	4
5	O-Ring	SO-NB-P30	2

Note : When ordering the seals, please specify the seal kit KS-ZRP-22-70.



Unit Dimensions NG32

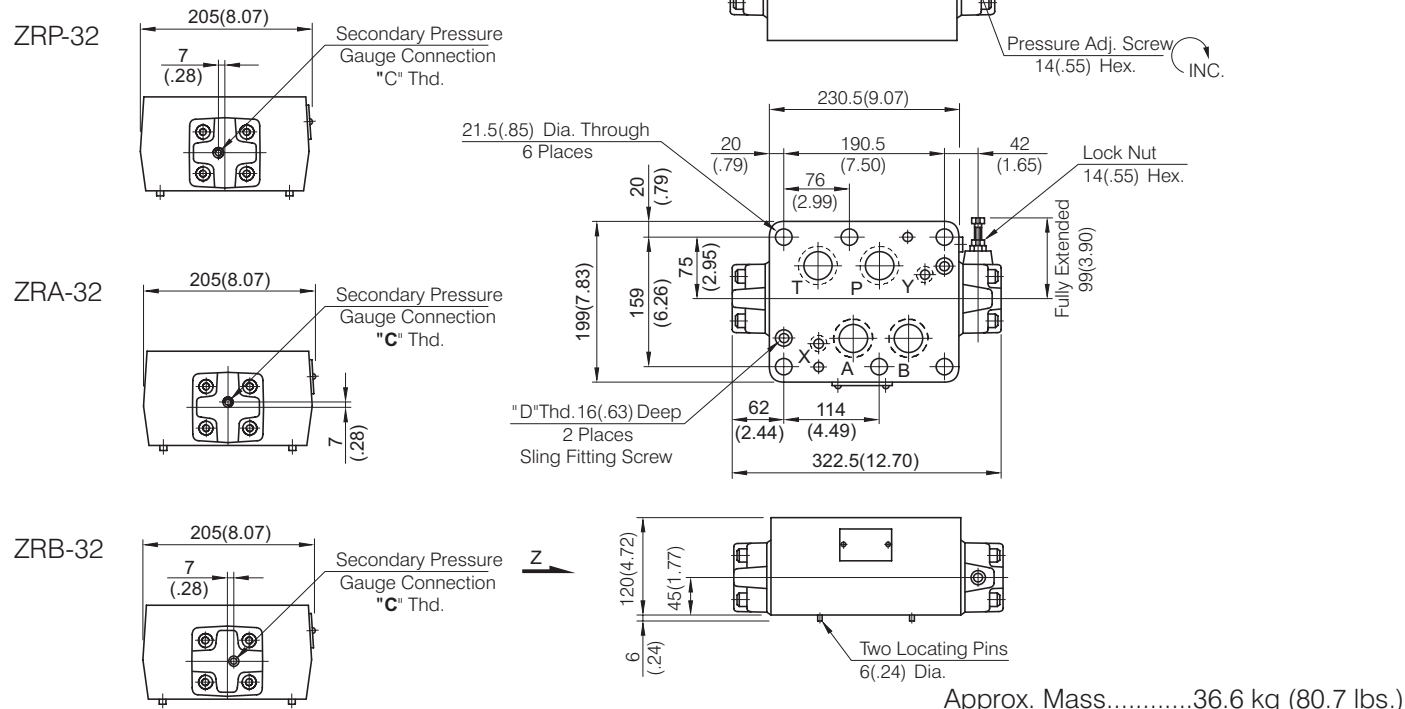
(Dimensions in mm)

ZRP-32-*-30/3090

ZRA-32-*-30/3090

ZRB-32-*-30/3090

View Arrow Z



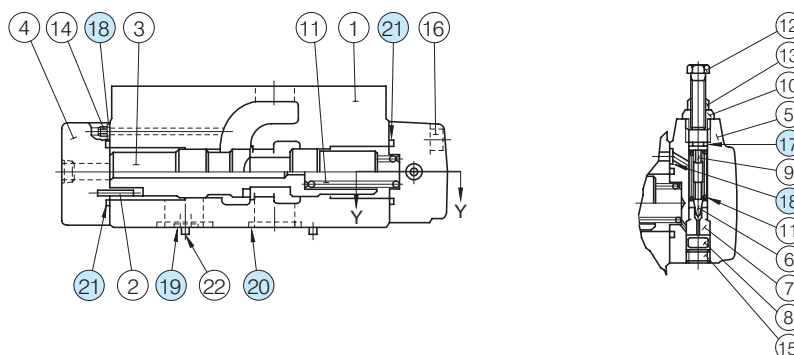
Model Numbers	Thread Size	
	"C" Thd.	"D" Thd.
ZR*-32-*-30	Rc 1/4= 1/4 BSP. Tr	M8
ZR*-32-*-3090	1/4 NPT	5/16-18 UNC

Spare Part List

ZRP-32-*-30/3090

ZRA-32-*-30/3090

ZRB-32-*-30/3090



List of Seals

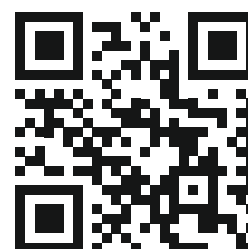
Item	Name of Parts	Part Numbers	QTY	Remarks
17	O-Ring	SO-NA-P9	1	Included in Seal Kit Kit No. KS-ZRP-32-10
18	O-Ring	SO-NB-P9	4	
19	O-Ring	SO-NB-P16	2	
20	O-Ring	SO-NB-P40	4	
21	O-Ring	SO-NB-P44	2	

The specified data is for product description purposes only and may not be deemed to be guaranteed unless expressly confirmed in the contract.



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