

Pre-fill Valve Sandwich plate Type Z-TVC

Nominal Sizes 50 to 150
Maximum Operating Pressure 300 bar



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Features

- Hydraulic pilot operated check valve of sandwich plate design
- for flange connections only
- With and without de-compression
- Made from high grade casting
- Suitable for pressure up to 300 bar and flow up to 2500 litres.

Ordering code

Z-TVC		F	+	1	+	1X	/	M	/	01
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Nominal size

Nominal size 50	= 50
Nominal size 80	= 80
Nominal size 90	= 90
Nominal size 100	= 100
Nominal size 125	= 125
Nominal size 150	= 150

Type of connection

For flange connection = F

With de-compression sizes 80,90,100,125,150	= 1
Without de-compression size 50 only	= 0

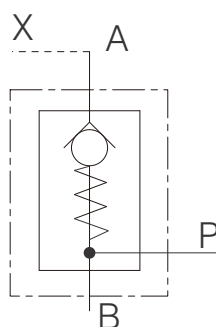
02 = Type of connection:-
threaded ports with
NPT Threads

M = NBR seals
other seals on request)
The compatibility of the seals and
pressure fluid has to be taken into account!

1X = Series 10 to 19
(series 10 to 19: unchanged installation
and connection dimensions)

1 = Spring return of main poppet
cracking pressure ≈ 0.12 bar

Symbol





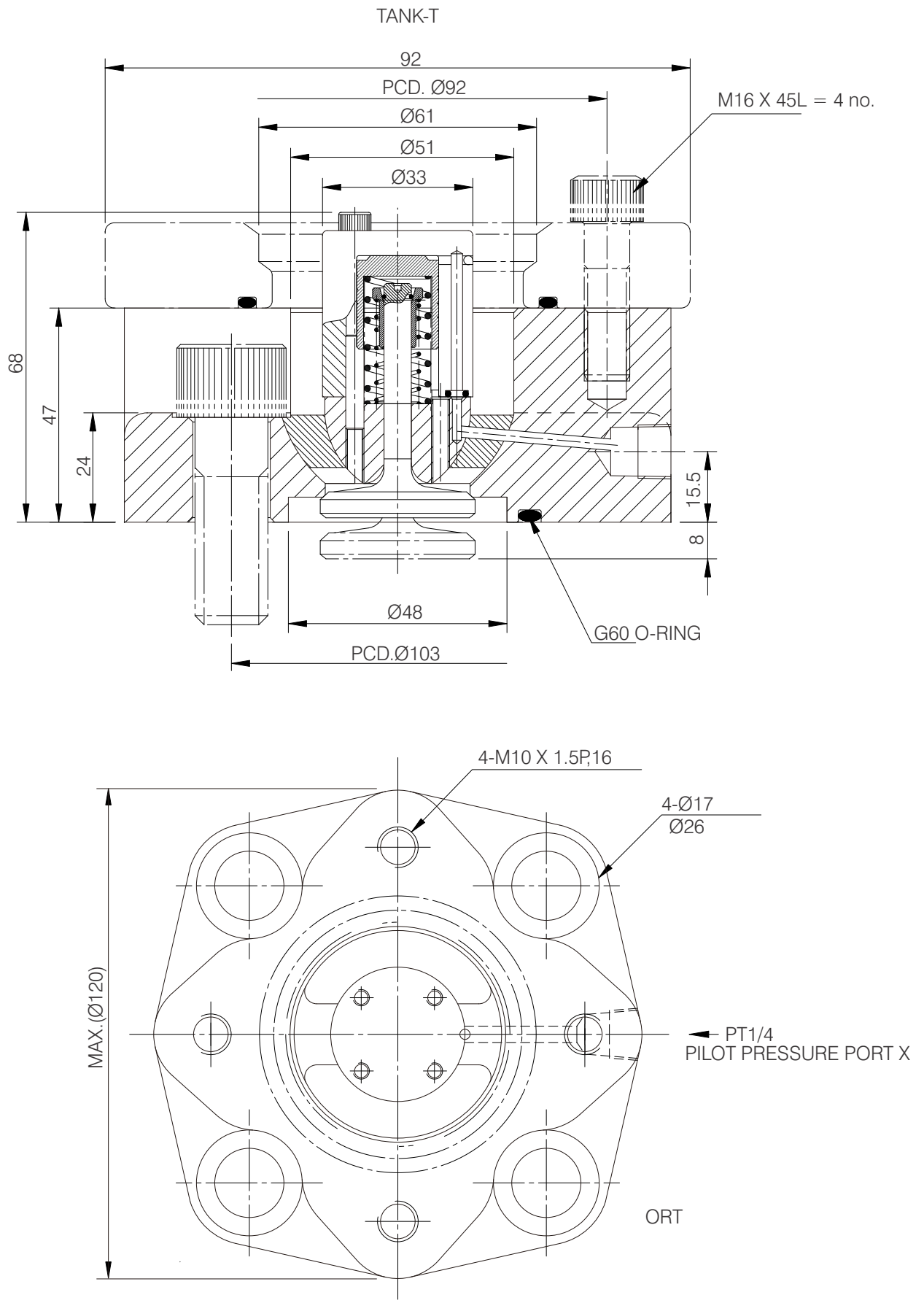
Technical data

Normal size		Size	50	80	90	100	125	150
Weight		Kg	3.42	8.7	11.8	15.8	25.9	42.2
Installation position			optional/vertical					
Maximum flow		l/min	250	400	630	1000	1600	2500
Maximum operating pressure	Port B,P	bar	300					
	Port X	bar	150					
	Port A	bar	16					
Cracking pressure		bar	≈0.12					
Pressure fluid			mineral oil to DIN 51 524 2 , other fluids on request					
Pressure fluid temperature range		°C	– 30 to + 80					
Viscosity range		mm²/s	10 to 800					
Degree of contamination			maximum permissible degree of contamination of the pressure fluid is to NAS 1638 class 9. We, therefore, recommend a filter with a minimum retention rate of 10≥75.					



Unit Dimensions Type Z-TVC-50-F-0

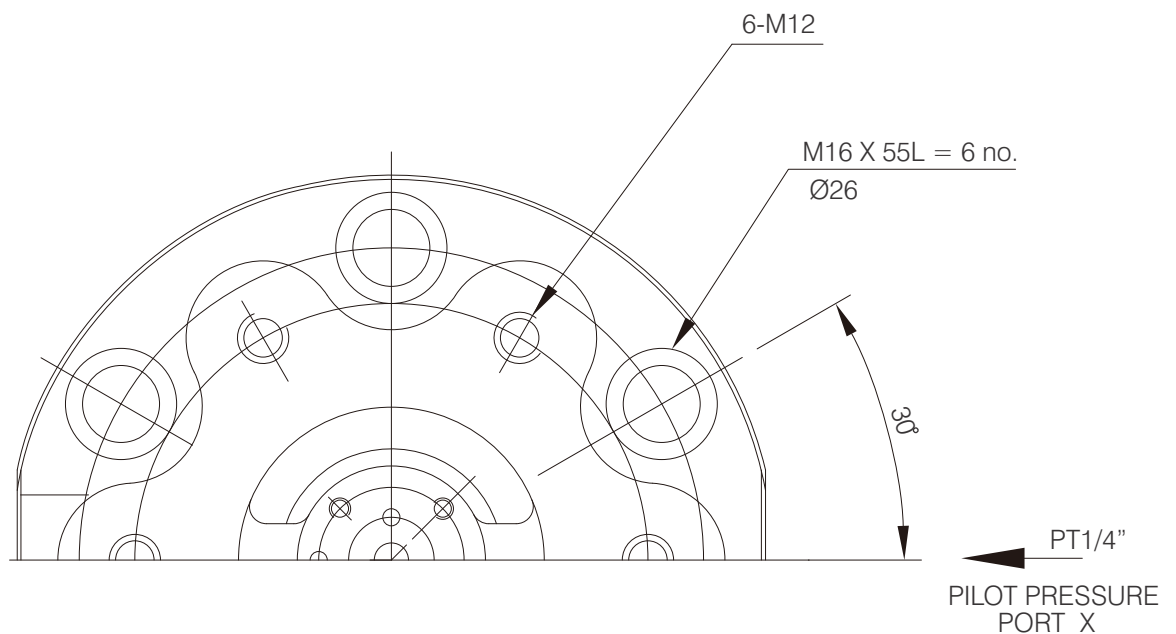
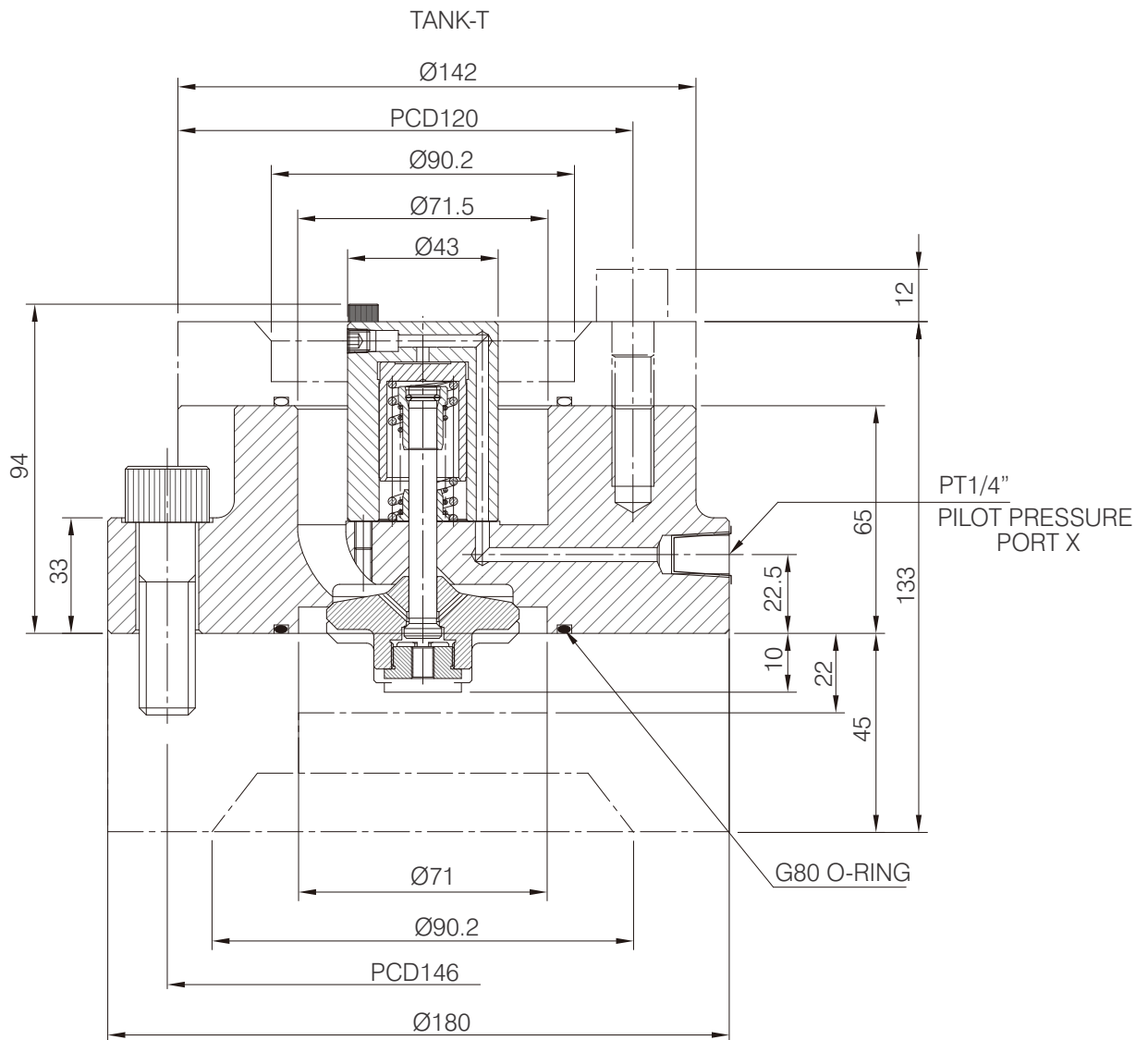
(Dimensions in mm)





Unit Dimensions Type Z-TVC-80-F-1

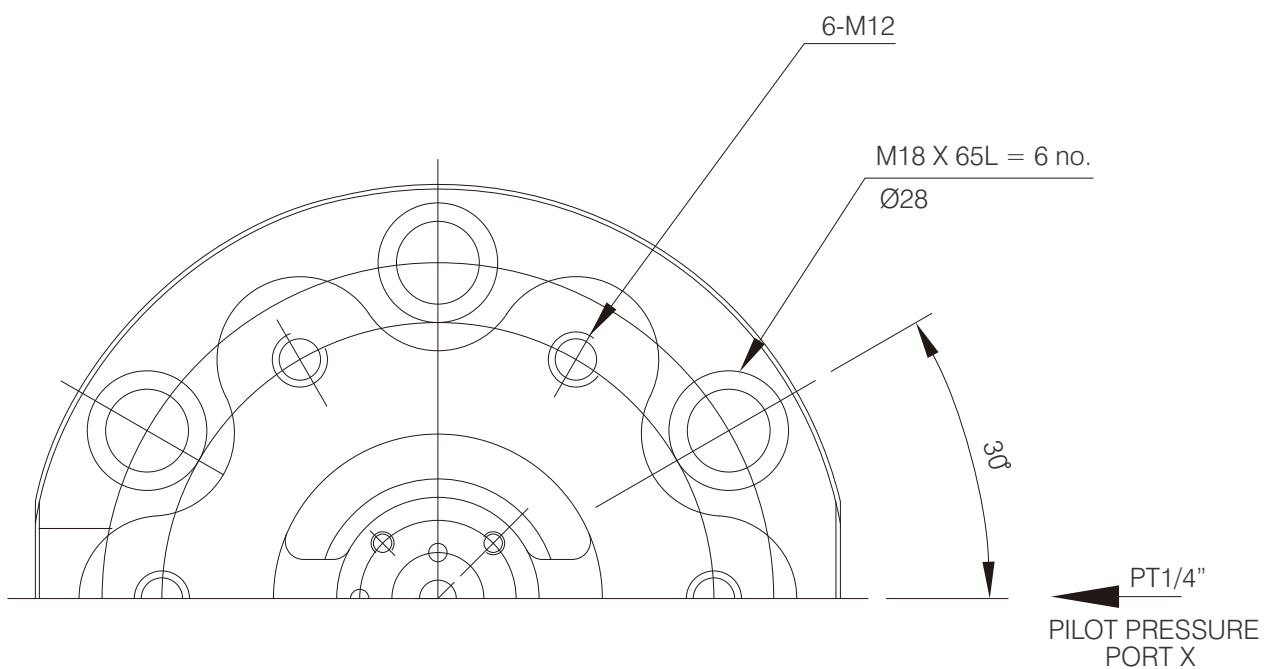
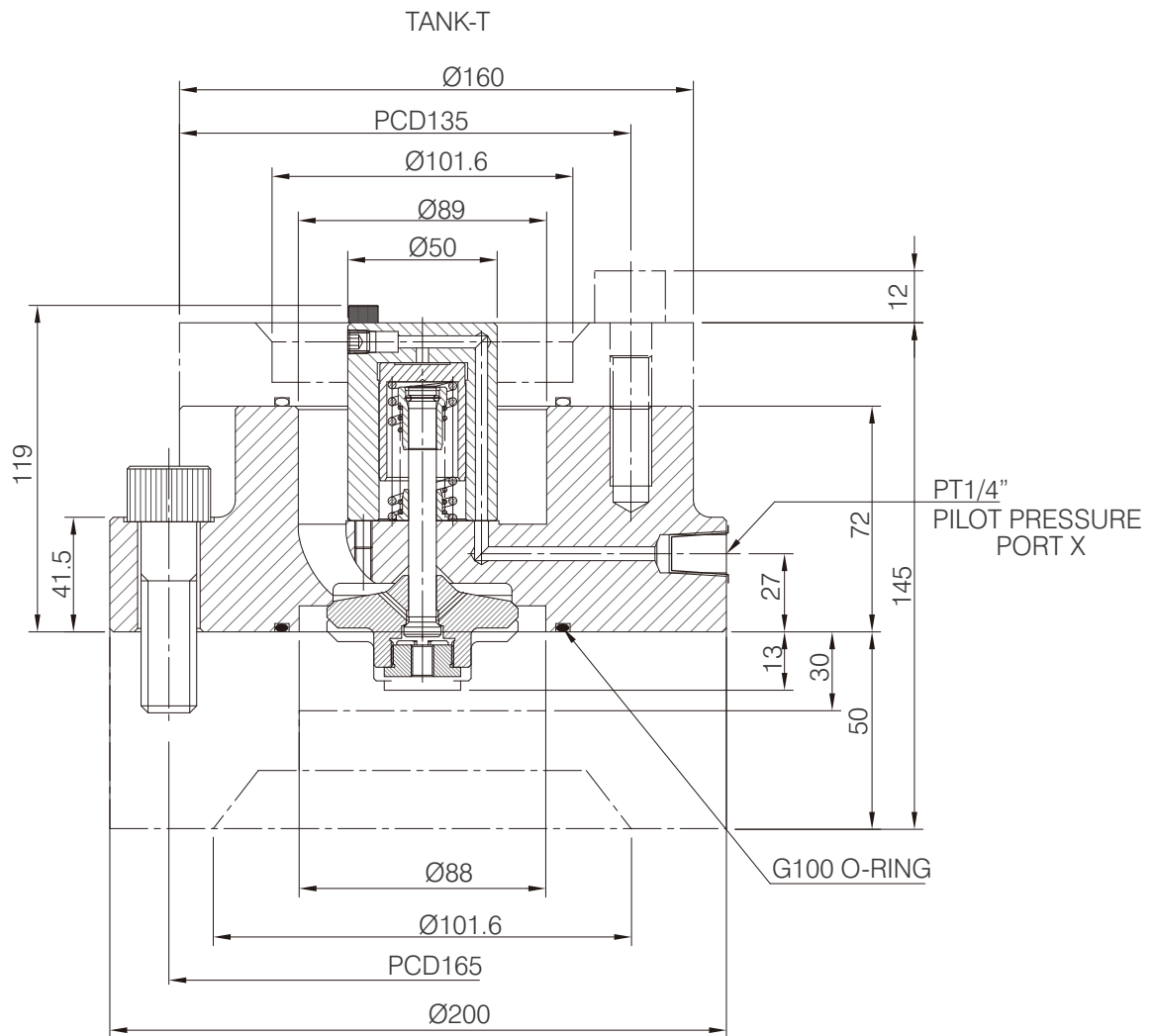
(Dimensions in mm)





Unit Dimensions Type Z-TVC-90-F-1

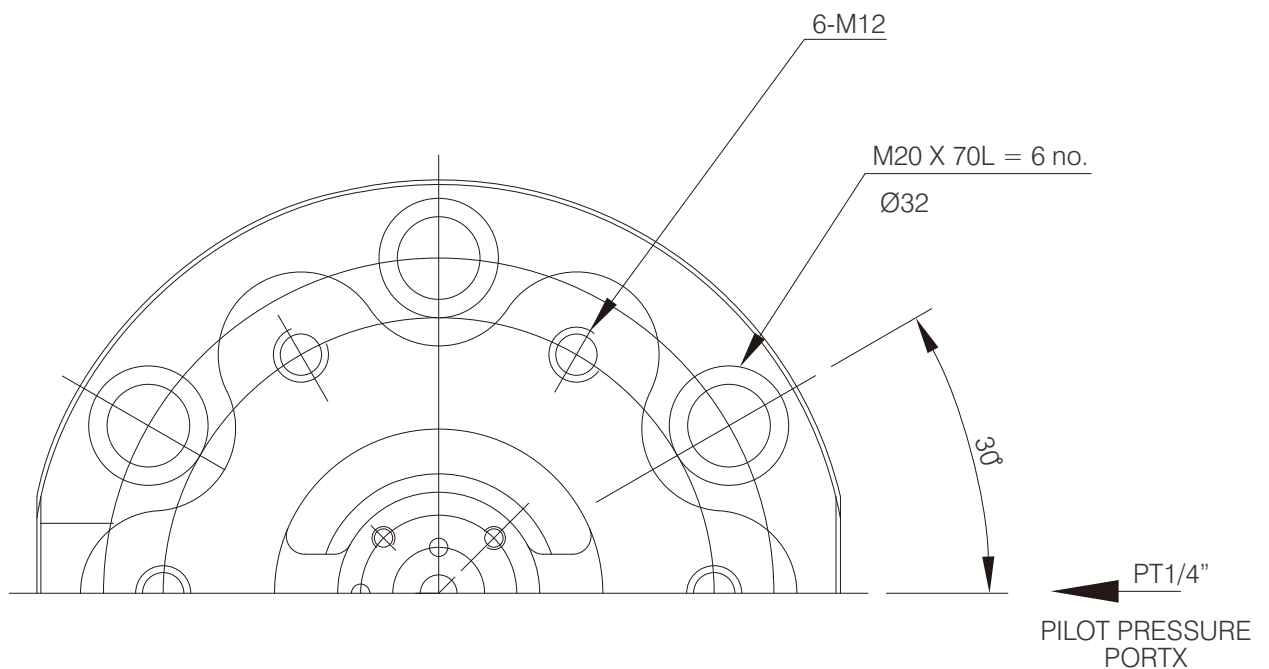
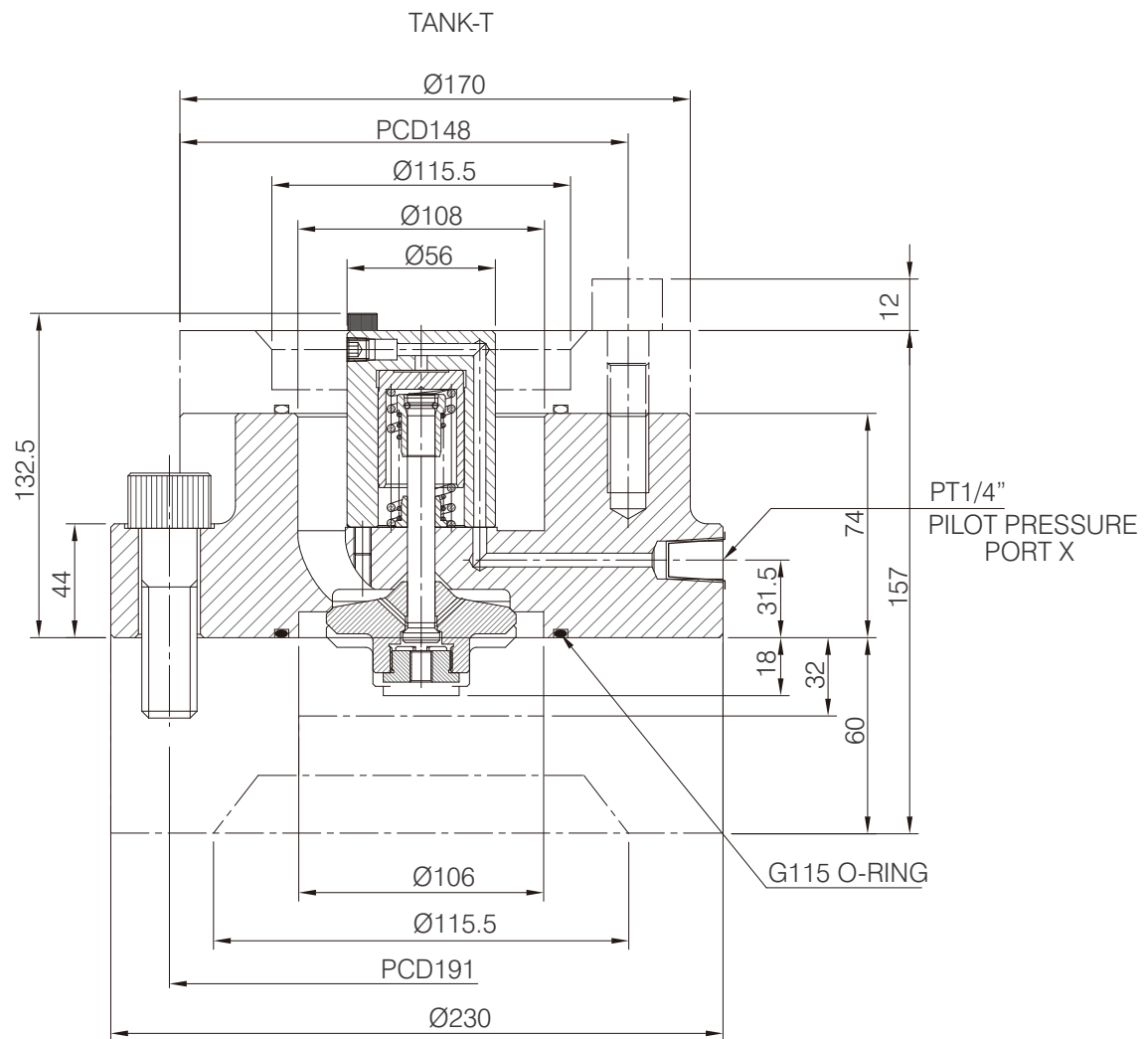
(Dimensions in mm)





Unit Dimensions Type Z-TVC-100-F-1

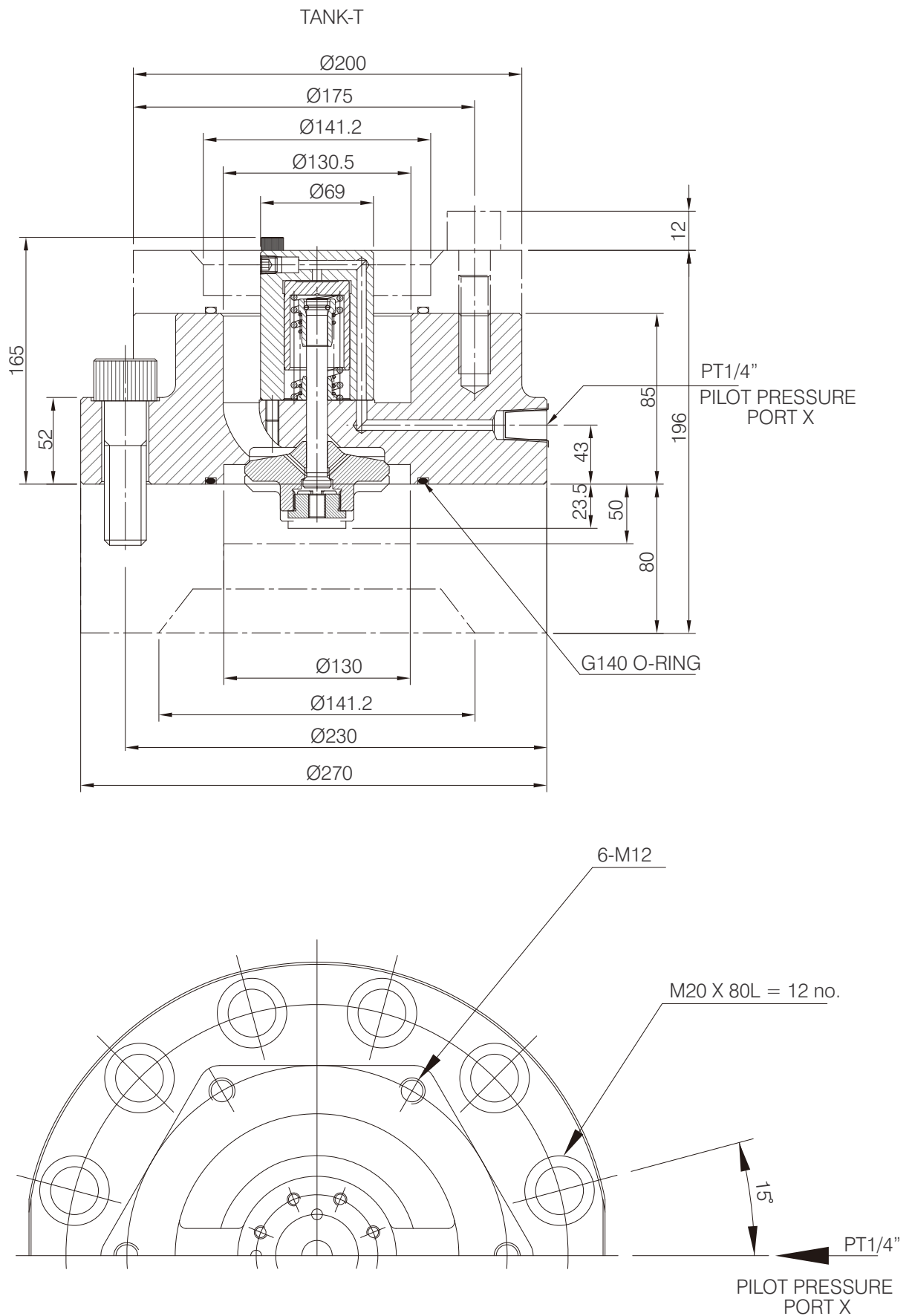
(Dimensions in mm)





Unit Dimensions Type Z-TVC-125-F-1

(Dimensions in mm)





Unit Dimensions Type Z-TVC-150-F-1

(Dimensions in mm)

