

# NIT-200 Cylinders

## For HFC-227ea 25 Bar system

TPED Welded Cylinders	Capacity (L)	Pressure (Bar)	Valve Outlet Size (in.)	Diameter (mm)	Height (mm)
NIT25-032-33-200	32	25	1-1/2"	324	682
NIT25-052-33-200	52	25	1-1/2"	324	925
NIT25-100-33-200	100	25	1-1/2"	406	1124
NIT25-120-49-200	120	25	2"	406	1294
NIT25-150-49-200	150	25	2"	406	1557
NIT25-180-49-200	180	25	2"	462	1442
NIT25-200-49-200	200	25	2"	462	1572
NIT25-240-80-200	240	25	3"	512	1656
NIT25-300-80-200	300	25	3"	612	1596
NIT25-369-80-200	369	25	3"	612	1840

## For HFC-227ea 42 Bar system

TPED Welded Cylinders	Capacity (L)	Pressure (Bar)	Valve Outlet Size (in.)	Diameter (mm)	Height (mm)
NIT42-010-25-200	10	42	1"	140	919
NIT42-020-25-200	20	42	1"	204	894
NIT42-030-25-200	30	42	1"	204	1229
NIT42-050-33-200	50	42	1-1/2"	229	1577
NIT42-080-33-200	80	42	1-1/2"	360	1162
NIT42-100-33-200	100	42	1-1/2"	360	1377
NIT42-140-49-200	140	42	2"	360	1852

## For HFC-227ea 50 Bar system

TPED Welded Cylinders	Capacity (L)	Pressure (Bar)	Valve Outlet Size (in.)	Diameter (mm)	Height (mm)
NIT50-010-25-200	10	50	1"	140	919
NIT50-020-25-200	20	50	1"	204	894
NIT50-030-25-200	30	50	1"	204	1229
NIT50-050-33-200	50	50	1-1/2"	229	1577
NIT50-080-33-200	80	50	1-1/2"	360	1162
NIT50-100-33-200	100	50	1-1/2"	360	1377
NIT50-140-49-200	140	50	2"	360	1852

# NIT-1230 Cylinders

## For FK-5-1-12 25 Bar system

TPED Welded Cylinders	Capacity (L)	Pressure (Bar)	Valve Outlet Size (in.)	Diameter (mm)	Height (mm)
NIT25-032-33-1230	32	25	1-1/2"	324	682
NIT25-052-33-1230	52	25	1-1/2"	324	925
NIT25-100-33-1230	100	25	1-1/2"	406	1124
NIT25-120-49-1230	120	25	2"	406	1294
NIT25-150-49-1230	150	25	2"	406	1557
NIT25-180-49-1230	180	25	2"	462	1442
NIT25-200-49-1230	200	25	2"	462	1572
NIT25-240-80-1230	240	25	3"	512	1656
NIT25-300-80-1230	300	25	3"	612	1596
NIT25-369-80-1230	369	25	3"	612	1840

## For FK-5-1-12 42 Bar system

TPED Welded Cylinders	Capacity (L)	Pressure (Bar)	Valve Outlet Size (in.)	Diameter (mm)	Height (mm)
NIT42-010-25-1230	10	42	1"	140	919
NIT42-020-25-1230	20	42	1"	204	894
NIT42-030-25-1230	30	42	1"	204	1229
NIT42-050-33-1230	50	42	1-1/2"	229	1577
NIT42-080-33-1230	80	42	1-1/2"	360	1162
NIT42-100-33-1230	100	42	1-1/2"	360	1377
NIT42-140-49-1230	140	42	2"	360	1852

## For FK-5-1-12 50 Bar system

TPED Welded Cylinders	Capacity (L)	Pressure (Bar)	Valve Outlet Size (in.)	Diameter (mm)	Height (mm)
NIT50-010-25-1230	10	50	1"	140	919
NIT50-020-25-1230	20	50	1"	204	894
NIT50-030-25-1230	30	50	1"	204	1229
NIT50-050-33-1230	50	50	1-1/2"	229	1577
NIT50-080-33-1230	80	50	1-1/2"	360	1162
NIT50-100-33-1230	100	50	1-1/2"	360	1377
NIT50-140-49-1230	140	50	2"	360	1852

# Cylinder components

## Discharge hose

Model	NIT-DH-010-38MM	NIT-DH-010-50MM	NIT-DH-011-50MM	3" Discharge Hose Assembly
Name	DN38	DN50	DN50	DN80
Material	Synthetic Rubber Hose with high tensile steel wire reinforcement			Hose: Stainless Steel Coupling: Ductile Iron
Temperature Range	-10 to 60 degrees at Celsius			-10 to 60 degrees at Celsius
Length from Elbow Inlet	465mm	520mm	520mm	650mm
Elbow Inlet	1-7/8"-12 UNJ	2-1/2" - 12 UNJ	2-1/2" - 12 UNJ	3" Groove Connection
Outlet	2" BSP	2-1/2" BSP	2-1/2" BSP	3" Groove Connection
Remark	-	-	For a cylinder with protective shroud	



## Check valve

Model	NIT101-CV-050-UL	NIT101-CV-065-UL	NIT101-CV-080-UL
Seat	Nylon	Nylon	Gun Metal
Temperature Range	-10 to 60 degrees at Celsius		
Length from Elbow Inlet	465mm	520mm	520mm
Elbow Inlet	1-7/8"-12 UNJ	2-1/2" - 12 UNJ	2-1/2" - 12 UNJ
Outlet	2" BSP	2-1/2" BSP	2-1/2" BSP
Remark	-	-	For a cylinder with protective shroud



# System components

## Actuator



Model	Description	Actuating Force (lbs)	Connection	Remark
NIT110-ACT-MNL-UL	Latching Solenoid Actuator (For master cylinder only)	12-40 lbs	1-1/8" × 18 UNEF	Power: 24VDC
NIT110-ACT-LAT-UL	Manual Actuator Button (For master cylinder only)	12-40 lbs	1-1/8" × 18 UNEF	
NIT111-ACT-PNE-UL	Pneumatic Actuator (For every slave cylinders)	12-40 lbs	1-1/4" × 18 UNEF	Pilot hose connection: 1/8" NPT

## Liquid level indicator



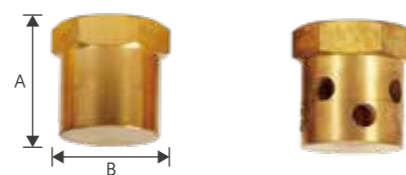
Model	Description	Cylinder size	Inlet size
NIT-040-CU-010-UL	Liquid Level Indicator (For 240L Cylinder and the above)	240L and the above	2"-11.5 NPSC

## Valve outlet adaptor



Model	Description	Material	Connection
NIT227-CS-DN25-ADAPTOR	Valve Outlet Adaptor for 1" Discharge Valve	Brass	1-7/16" × 12 UN
NIT227-CS-DN33-ADAPTOR	Valve Outlet Adaptor for 1-1/2" Discharge Valve	Brass	1-7/16" × 12 UN
NIT227-CS-DN49-ADAPTOR	Valve Outlet Adaptor for 2" Discharge Valve	Brass	1-1/2" × 12 UN

## Discharge nozzle



Model	Description	Height (mm)	Diameter (mm)
NIT075-N-015-UL	1/2", 360 Degree Nozzle for NIT-200	45	31.75
NIT075-N-020-UL	3/4", 360 Degree Nozzle for NIT-200	45	38.1
NIT075-N-025-UL	1", 360 Degree Nozzle for NIT-200	56	44.45
NIT075-N-032-UL	1-1/4", 360 Degree Nozzle for NIT-200	67	50.8
NIT075-N-040-UL	1-1/2", 360 Degree Nozzle for NIT-200	70	63.5
NIT075-N-050-UL	2", 360 Degree Nozzle for NIT-200	88	76.2
NIT076-N-015-UL	1/2", 360 Degree Nozzle for NIT-1230	45	31.75
NIT076-N-020-UL	3/4", 360 Degree Nozzle for NIT-1230	45	38.1
NIT076-N-025-UL	1", 360 Degree Nozzle for NIT-1230	56	44.45
NIT076-N-032-UL	1-1/4", 360 Degree Nozzle for NIT-1230	67	50.8
NIT076-N-040-UL	1-1/2", 360 Degree Nozzle for NIT-1230	70	63.5
NIT076-N-050-UL	2", 360 Degree Nozzle for NIT-1230	88	76.2

## Pilot line hose



Model	Description	Material	Connection
NIT-PL-008-560MM	Pilot Line Hose - 560mm	Synthetic rubber hose with 2 high tensile steel wire braids reinforcement	1/8" BSP
NIT-PL-008-760MM	Pilot Line Hose - 760mm		1/8" BSP

## Pressure gauge



Model	Description	Connection
NIT170-PG-25B-HFC	HFC Pressure gauge - 25B	1/8" NPT
NIT170-PG-42B-HFC	HFC Pressure gauge - 42B	1/8" NPT
NIT170-PG-50B-HFC	HFC Pressure gauge - 50B	1/8" NPT
NIT170-PG-25B-FK	FK Pressure gauge - 25B	1/8" NPT
NIT170-PG-42B-FK	FK Pressure gauge - 42B	1/8" NPT
NIT170-PG-50B-FK	FK Pressure gauge - 50B	1/8" NPT

## Pressure gauge with low pressure switch



Model	Description	Connection	Operating pressure (Bar)
NIT169-PGS-25B-HFC	HFC Pressure gauge with low pressure switch- 25 Bar	1/8" NPT	20.5±1.5
NIT169-PGS-42B-HFC	HFC Pressure gauge with low pressure switch- 42 Bar	1/8" NPT	32.0±2.5
NIT169-PGS-50B-HFC	HFC Pressure gauge with low pressure switch- 50 Bar	1/8" NPT	36.0±3.0
NIT169-PGS-25B-FK	FK Pressure gauge with low pressure switch- 25 Bar	1/8" NPT	20.5±1.5
NIT169-PGS-42B-FK	FK Pressure gauge with low pressure switch- 42 Bar	1/8" NPT	32.0±2.5
NIT169-PGS-50B-FK	FK Pressure gauge with low pressure switch- 50 Bar	1/8" NPT	35.0±2.5