VELJAN

System Saver

Hydraulic Vane Pump & Valve Assemblies

Reduce Installation Costs
with VELJAN Compact, Low Noise,
No Leak, Pre Assembled Sub-Systems

- Easy to Specify
- Easy to Order
- Completely Assembled
- Ready to Install
- Made from Standard Components

Hydraulic Vane Pump & Valve Assemblies

Ready to Install
Standard components in any package are pre-tested to their full performance specifications.

Reduced Overall Installation Costs
Easy specification of required sub-system along with quick assembly and no charge for mounting hardware, combine to make the "System Saver" very cost-effective. SAE flange and hose connections are sized to the pump pressure ports and are also provided free of charge.

No Leaks
Space saving system incorporates SAE flanges and hose connections on all components to provide a tight, leak-free design.

Design Flexibility
Allows you to combine any selection of state-of-the-art pressure, flow control, manual, electrical, and proportional valves with any combination of high performance vane pumps.

The "System Saver" concept utilizes standard catalogued hydraulic components. You simply size the pump and the rest of the components are automatically fixed in size. And, the pressure control, relief, flow control or check valve functions are the only functions that need to be specified.

System Saver - Single Vane Pump

VT6 * - *** - * - *** - ** - NU - D - GOQ - 1

Pump Model Code
VT6B, VT6C, VT6D, VT6E,
VT7QC, VT7B, VT7D/VT7DS,
VT7E/VT7ES

NU, UO, UB, NV, VO, VB

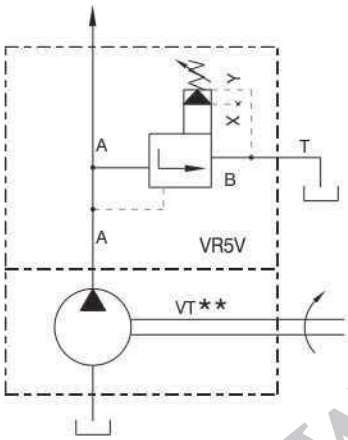
NU - Unloader
UO - Unloader with Vent valve (normally open)
UB - Unloader with Vent valve (normally closed)
NV - Relief valve
VO - Relief valve with Vent valve (normally open)
VB - Relief valve with Vent valve (normally closed)

Termination/Connection
1 - BSP threaded port
2 - NPTF threaded port
3 - Socket weld flange

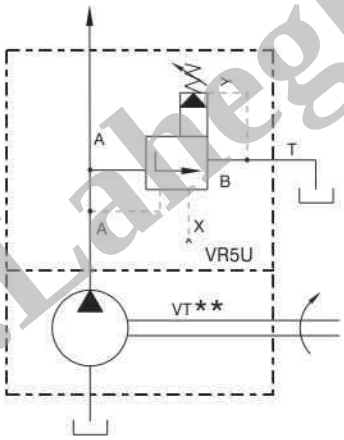
Voltage/Frequency
W01 = 115 V - 60 Hz AC
W02 = 230 V - 60 Hz AC
W06 = 115 V - 50 Hz AC
W07 = 230 V - 50 Hz AC
GOR = 12 V DC
GOQ = 24 V DC
GOH = 48 V DC

Check valve
D - Unloading check valve
C - Check valve
N - None

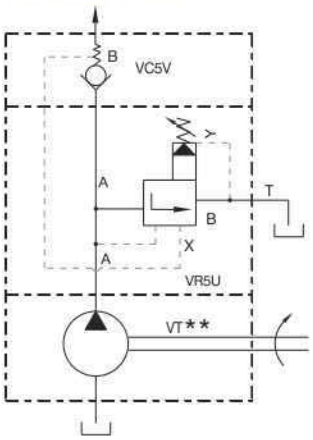
Relief valve (NV)



Unloader valve (NU)

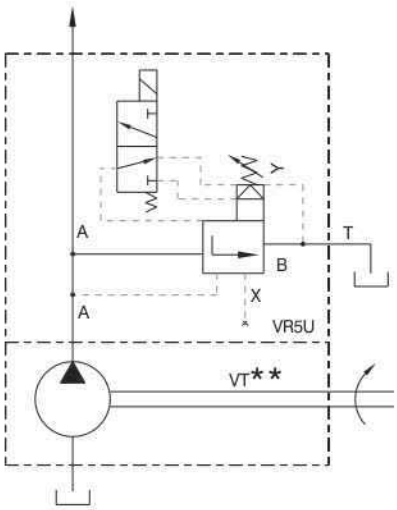


Unloader with Check valve (NUD)

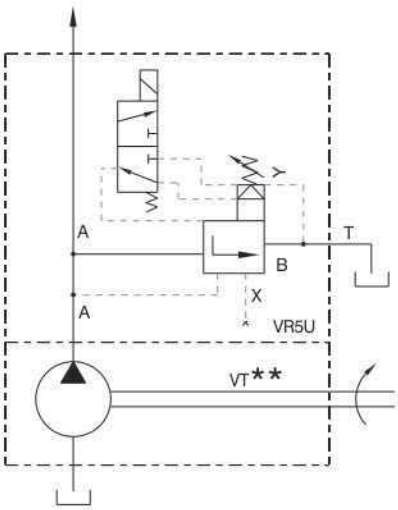


Unloader with Vent valve

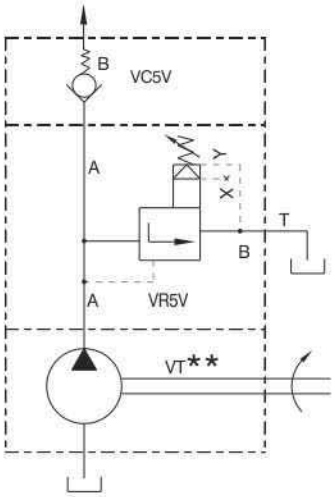
normally open (UO)



normally closed (UB)

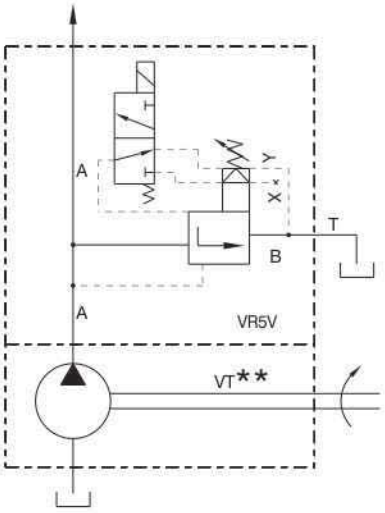


Relief valve + Check valve (NVC)

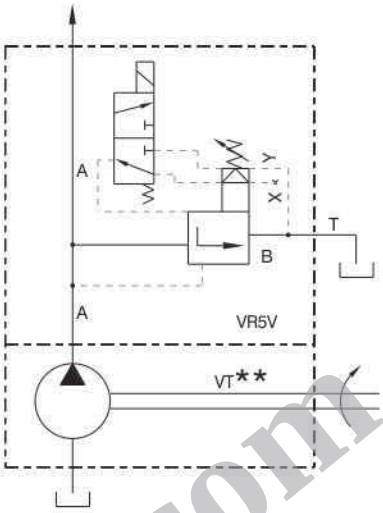


Relief valve with vent valve

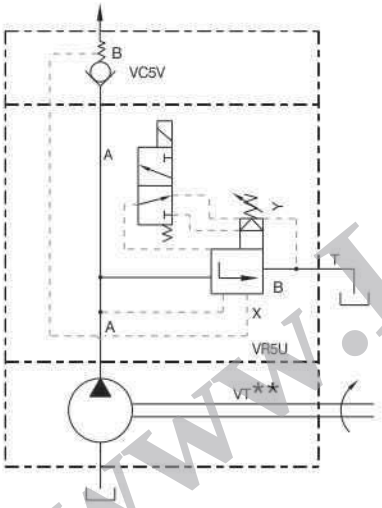
normally open (VO)



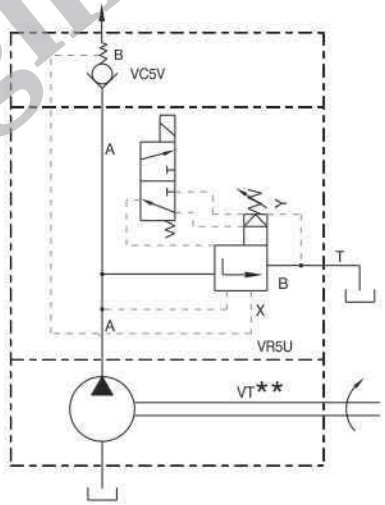
normally closed (VB)



Unloader with Vent valve (normally open) + Unloading check valve (UOD)

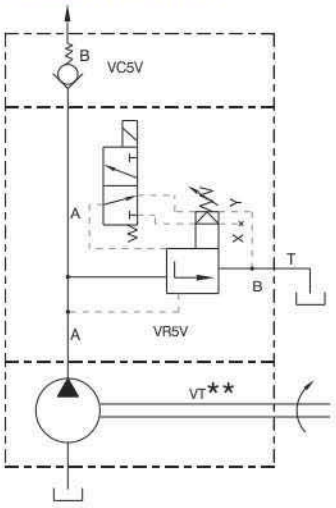


Unloader with Vent valve (normally closed) + Unloading check valve (UBD)

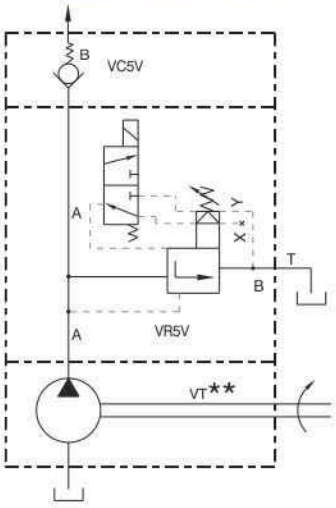


Relief valve with vent valve + Check valve

normally open (VOC)



normally closed (VBC)



System Saver - Double Vane Pump

VT6 * - *** - * - *** - ** - NU - D - NV - C - GOQ - 1

Pump Model Code
VT6CC, VT7QCC, VT7BB-VT7BBS, VT6DC,
VT7DB-VT7DBS, VT6EC, VT7EBS-VT7EB,
VT6ED, VT7ED-VT7EDS, VT6DDS, VT7DD-VT7DDS,
VT6EE-VT6EES, VT7EE-VT7EES

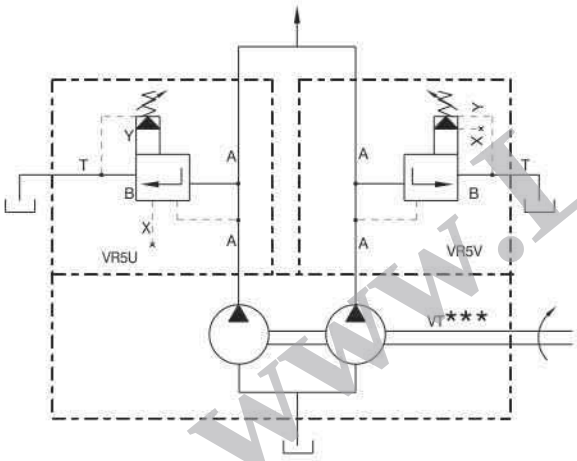
NU, UO, UB, NV, VO, VB
NU - Unloader
UO - Unloader with Vent valve (normally open)
UB - Unloader with Vent valve (normally closed)
NV - Relief valve
VO - Relief valve with Vent valve (normally open)
VB - Relief valve with Vent valve (normally closed)

Check valve
D - Unloading check valve
C - Check valve
N - None

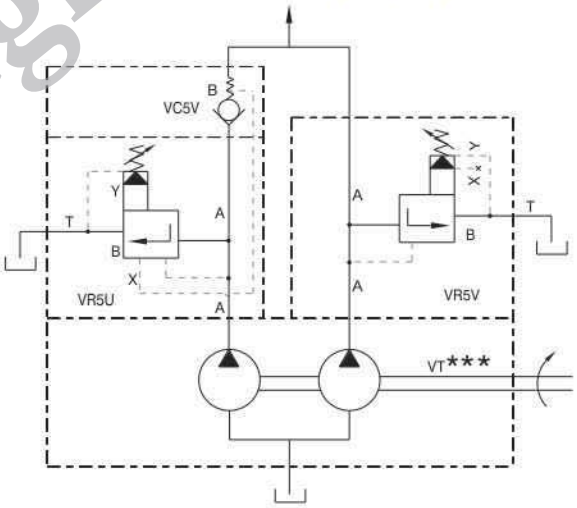
Termination/Connection
1 - BSP threaded port
2 - NPTF threaded port
3 - Socket weld flange

Voltage/Frequency
W01 = 115 V - 60 Hz AC
W02 = 230 V - 60 Hz AC
W06 = 115 V - 50 Hz AC
W07 = 230 V - 50 Hz AC
GOR = 12 V DC
GOQ = 24 V DC
GOH = 48 V DC

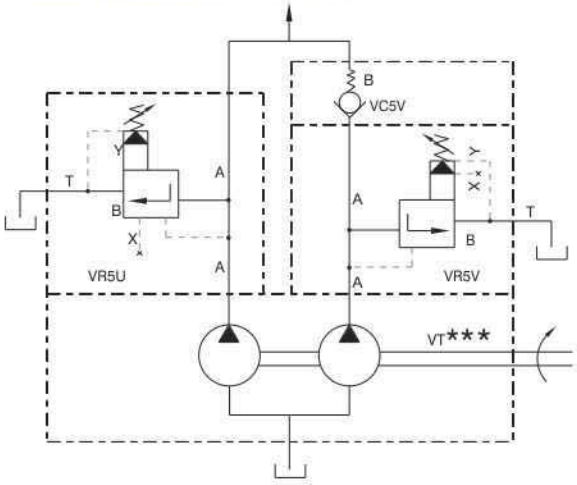
Relief/Unloader valve (NV/NU) - P1
Unloader/Relief valve (NU/NV) - P2



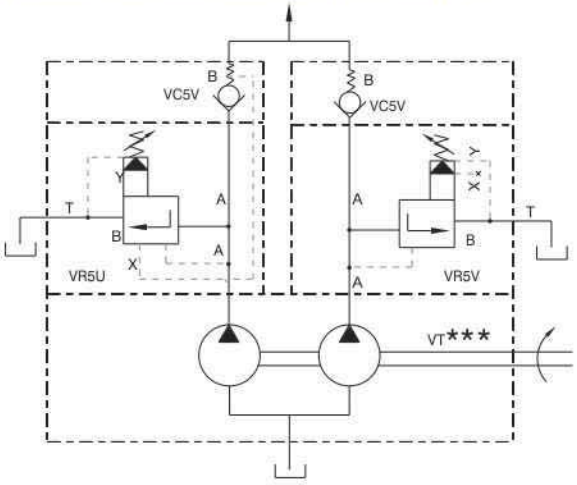
Relief/Unloader valve (NV/NU) - P1
Unloader/Relief with Check valve (NUD/NVC) - P2



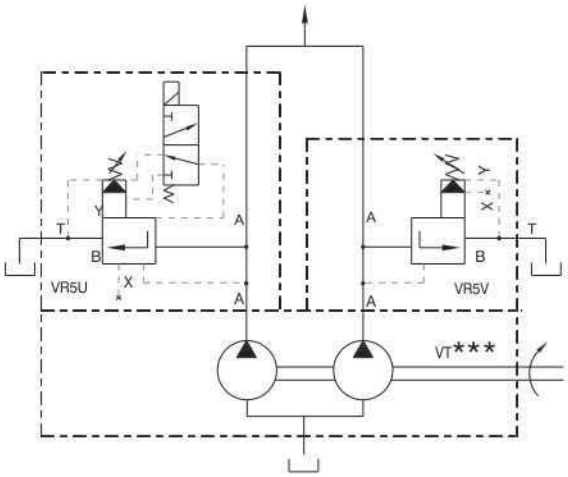
Unloader/Relief with Check valve (NUD/NVC) - P1
Unloader/Relief valve (NU/NV) - P2



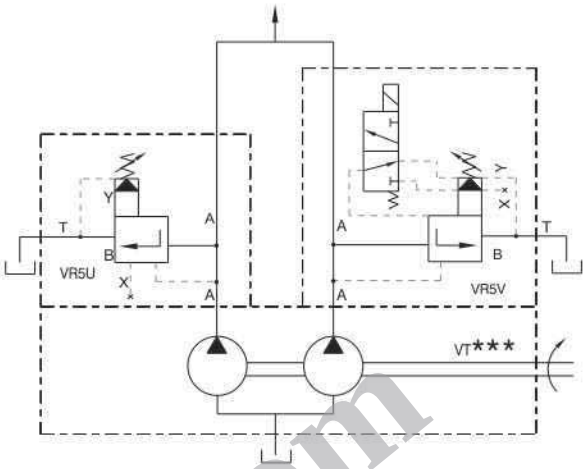
Unloader/Relief with Check valve (NUD/NVC) - P1
Unloader/Relief with Check valve (NUD/NVC) - P2



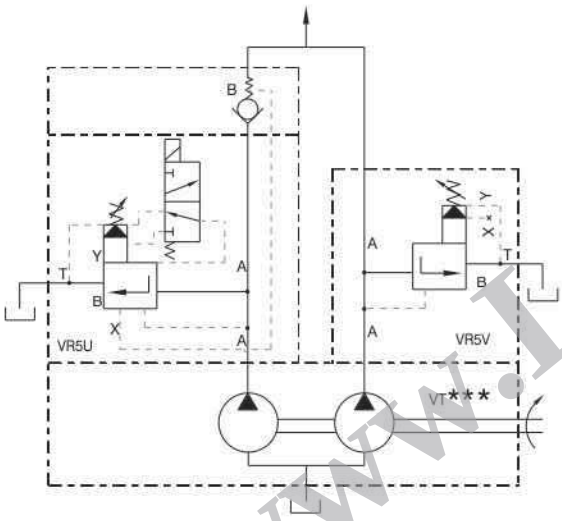
Relief/Unloader valve (NV/NU) - P1
Unloader/Relief with vent valve (UO-UB/VO-VB) - P2



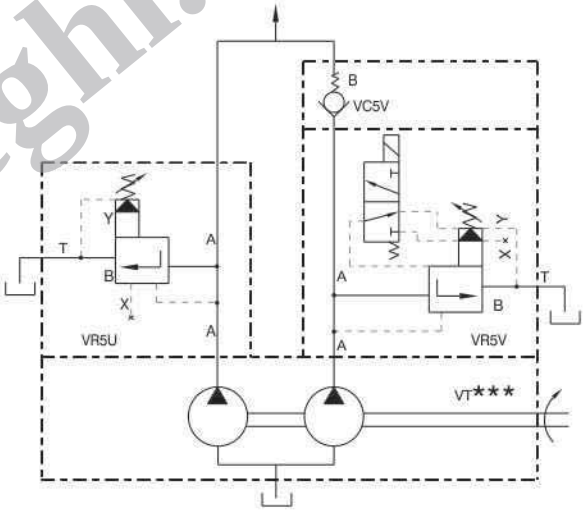
Unloader/Relief with
vent valve (UO-UB/VO-VB) - P1
Relief/Unloader valve (NV/NU) - P2



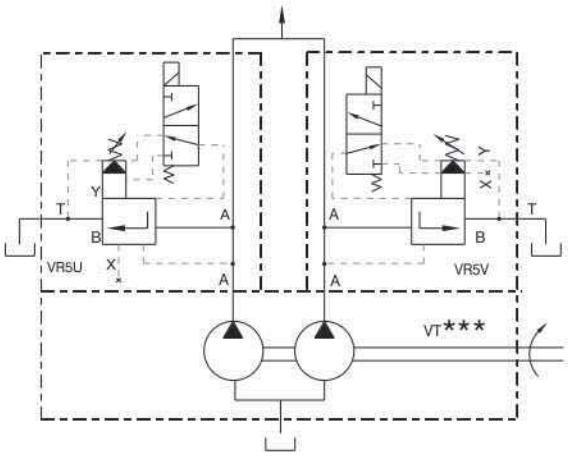
Relief/Unloader valve (NV/NU) - P1
Unloader/Relief with vent +Check valve
(UOD-UBD/VOC-VBC) - P2



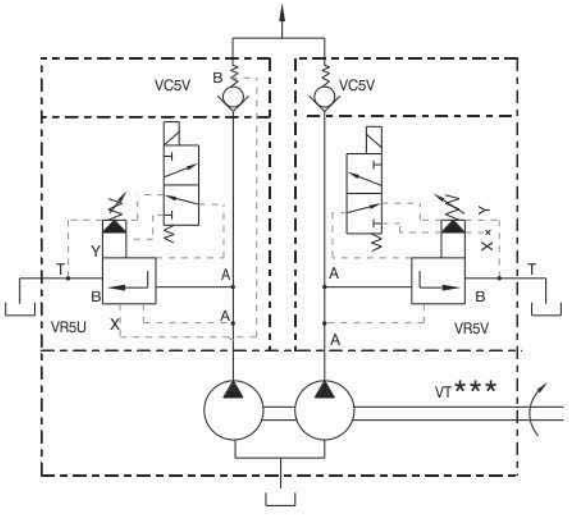
Unloader/Relief with vent +
Check valve (UOD-UBD/VOC-VBC) - P1
Relief/Unloader valve (NV/NU) - P2



Unloader/Relief with vent valve (UO-UB/VO-VB) - P1
Unloader/Relief with vent valve (UO-UB/VO-VB) - P2

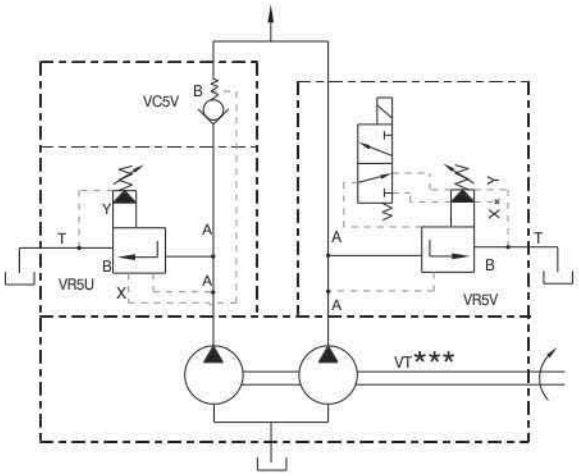


Unloader/Relief with vent +
Check valve (UOD-UBD/VOC-VBC) - P1
Unloader/Relief with vent +
Check valve (UOD-UBD/VOC-VBC) - P2

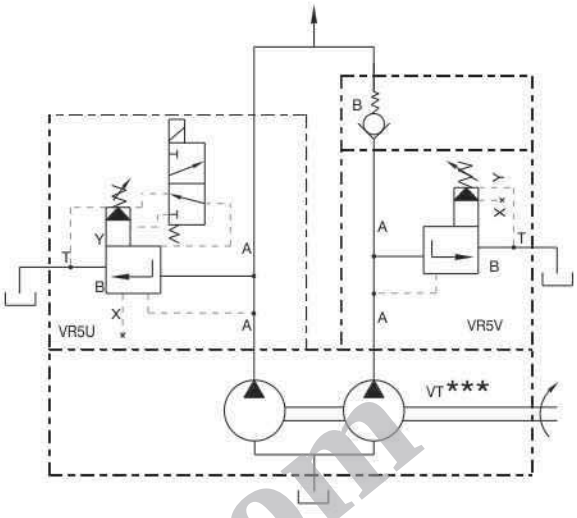


System Saver - Double Vane Pump

Relief/Unloader with vent valve (VO-VB/UO-UB) - P1
Unloader/Relief with Check vale (NUD/NVC) - P2



Relief/Unloader with Check valve (NVC/NUD) - P1
Relief/Unloader with vent valve (VO-VB/UO-UB) - P2



System Saver - Triple Vane Pump

VT6 *** - *** - *** - *** - * - *** - ** - ** - NU-D-NV-C-U0-D-GOQ-1

Pump Model Code
VT6CBB,VT6CCB,VT6DCB,VT6DCC,VT6DDCS,VT6EDC
VT7DDB-VT7DDBS,VT7EDB, VT7EDBS

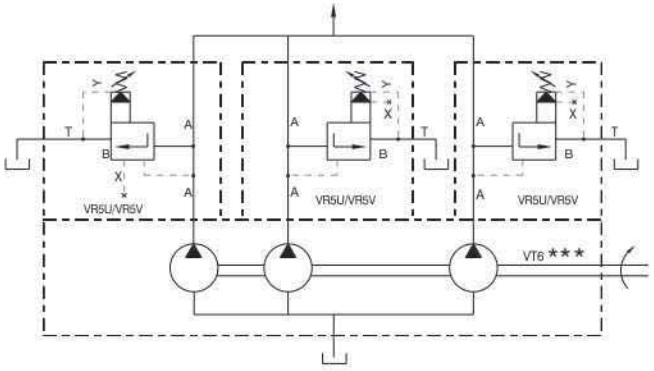
NU, UO, UB, NV, VO, VB
NU - Unloader
UO - Unloader with Vent valve (normally open)
UB - Unloader with Vent valve (normally closed)
NV - Relief valve
VO - Relief valve with Vent valve (normally open)
VB - Relief valve with Vent valve (normally closed)

Check valve
D - Unloading check valve
C - Check valve
N - None

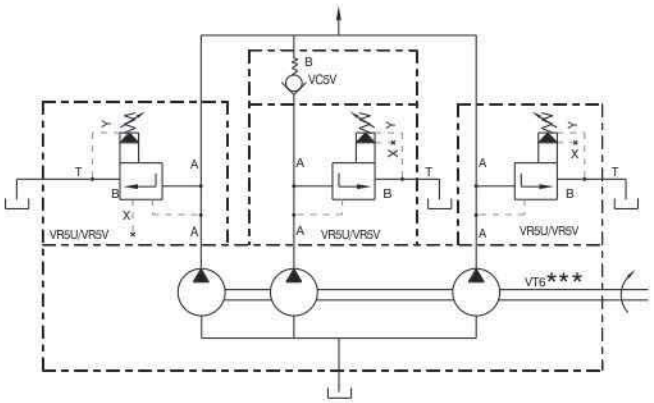
Termination
1 - BSP threaded port
2 - NPTF threaded port
3 - Socket weld flange

Voltage/Frequency
W01 = 115 V - 60 Hz AC
W02 = 230 V - 60 Hz AC
W06 = 115 V - 50 Hz AC
W07 = 230 V - 50 Hz AC
GOR = 12 V DC
GOQ = 24 V DC
GOH = 48 V DC

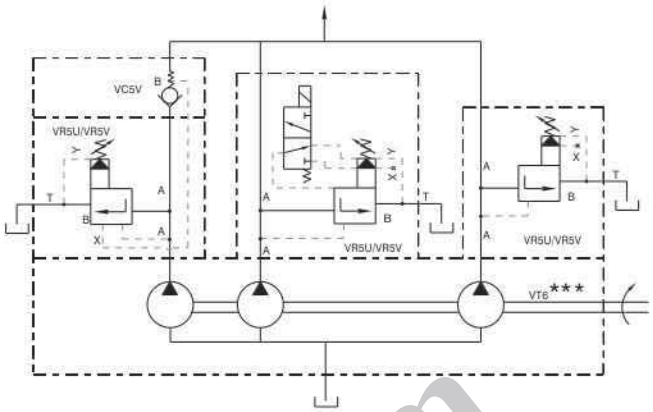
Relief/Unloader valve (NV/NU) - P1
Unloader/Relief valve (NU/NV) - P2
Unloader/Relief valve (NU/NV) - P3



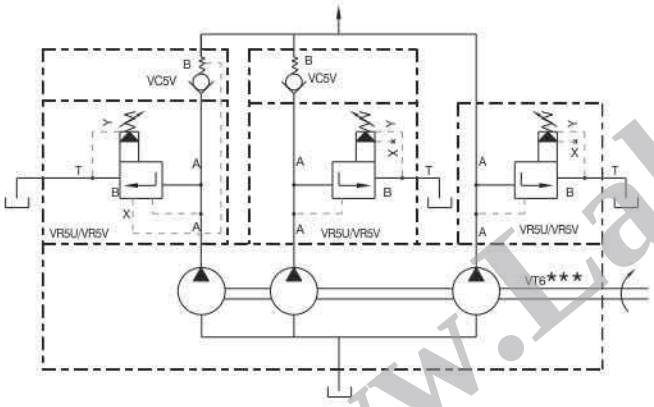
Relief/Unloader valve (NV/NU) - P1
Unloader/Relief with check valve (NUD/NVC) - P2
Unloader/Relief valve (NU/NV) - P3



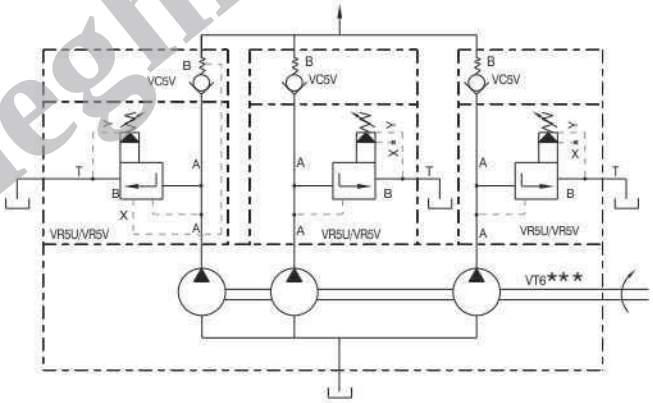
Relief/Unloader valve (NV/NU) - P1 & Relief/
Unloader with vent valve (VO-VB/UO-UB) - P2
Unloader/Relief with Check vale (NUD/NVC) - P3



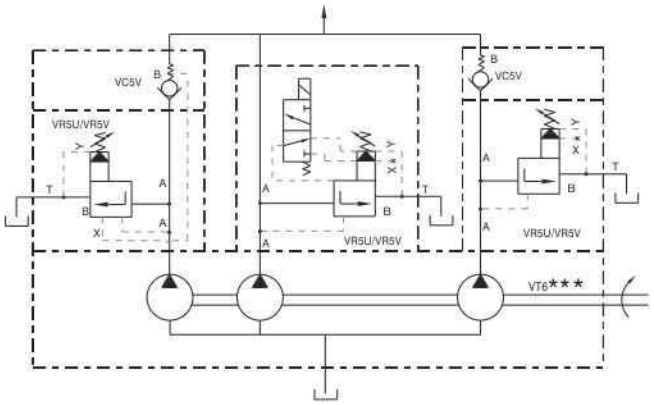
Relief/Unloader valve (NV/NU) - P1
Unloader/Relief with check valve (NUD/NVC) - P2
Unloader/Relief valve (NUD/NVC) - P3



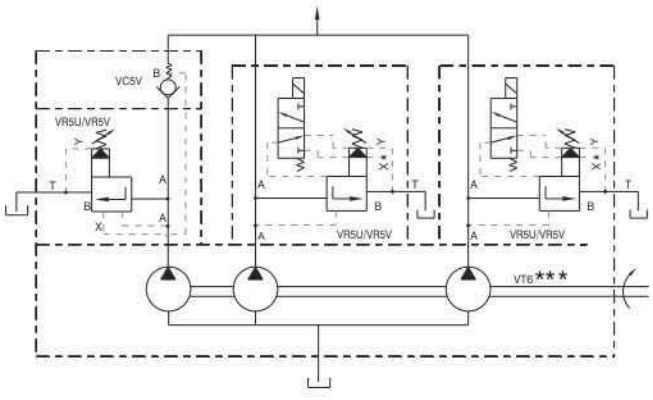
Relief/Unloader valve (NVC/NUD) - P1
Unloader/Relief with check valve (NUD/NVC) - P2
Unloader/Relief valve (NUD/NVC) - P3



Relief/Unloader valve (NVC/NUD) - P1 & Relief/
Unloader with vent valve (VO-VB/UO-UB) - P2
Unloader/Relief with Check vale (NUD/NVC) - P3

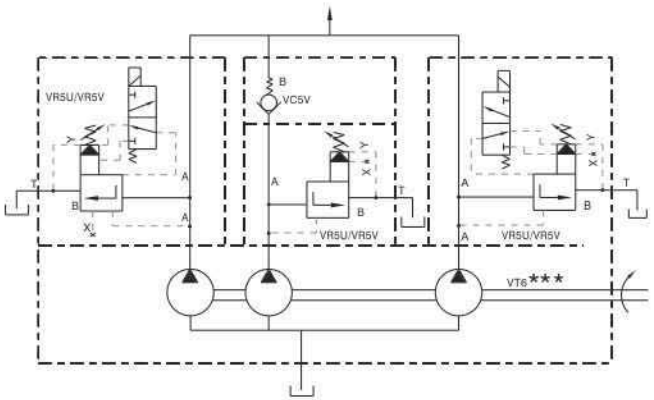


Relief/Unloader with vent valve (VO-VB/UO-UB) - P1 &
Relief/Unloader with vent valve (VO-VB/UO-UB) - P2
Unloader/Relief with Check vale (NUD/NVC) - P3

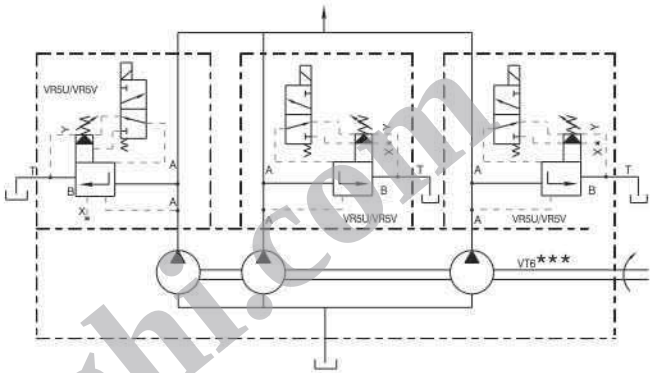


System Saver - Triple Vane Pump

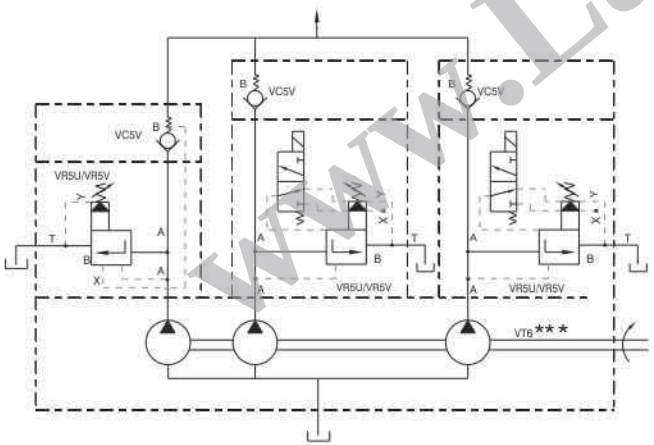
Relief/Unloader with vent valve (VO-VB/UO-UB) - P1
& Unloader/Relief with Check vale (NUD/NVC) - P2
Relief/Unloader with vent valve (VO-VB/UO-UB) - P3



Relief/Unloader with vent valve (VO-VB/UO-UB) - P1
& Relief/Unloader with vent valve (VO-VB/UO-UB) - P2
Relief/Unloader with vent valve (VO-VB/UO-UB) - P3



Unloader/Relief with vent +Check valve (UOD-UBD/VOC-VBC) - P1
Unloader/Relief with vent +Check valve (UOD-UBD/VOC-VBC) - P2
Unloader/Relief with Check vale (NUD/NVC) - P3



Unloader/Relief with vent +Check valve (UOD-UBD/VOC-VBC) - P1
Unloader/Relief with vent +Check valve (UOD-UBD/VOC-VBC) - P2
Unloader/Relief with vent +Check valve (UOD-UBD/VOC-VBC) - P3