

November 2011

POWER TEAM.

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POWER TEAM®

AT LOW PRESSURE

Power Team is well known for its variety of high quality High Pressure Hydraulic products. Not only can these products operate at 10,000 psi, but they can also be used at substantially lower hydraulic pressures.

The Power Team Pilot Operated Air Control Valves, model 9641 and 9643 can be used for pressures between 35 and 700 Bar (500-10,000 psi). A recent application where the Power Team 9641 valve was used was to control the Hydraulic circuit on a 20 litre Drum Compactor in an underground coal mine (were an electrical control system was unsafe)



9641 - Pilot Operated Air Control Valve

The Pilot Operated Air Control Valves, are normally closed, or normally open, 2 position, 3 way air DCV, which open or close when the preset hydraulic pressure is reached. Each 9641, which is the normally closed version, is connected to the outlet A & B ports of the Hydraulic DCV.

The Hydraulic Cylinder is extended to compact the 20 litre drum, and when the preset pressure is reached, the 9641 opens, allowing air pressure to pilot the hydraulic DCV, retracting the Hydraulic Cylinder. When the Cylinder is fully retracted, pressure again increases, and the 9641 connected to the retract port is activated, allowing the air pilot pressure to change the position of the Hydraulic DCV, and pilot close the start Air DCV - this stops the compacting cycle.



Drum Compactor



Contact us for more information on how Power Team's impressive range of hydraulic equipment can help get your job done.

handy hydraulic hint

When mounting the Power Team pilot operated control valves (9641, 9643) into a hydraulic system all connections must be sealed with a non-hardening thread sealant or teflon tape. If tape is used, use only one layer, two threads back and apply it carefully to prevent the tape from being pinched and broken off inside the pipe - Loose pieces of tape could obstruct or jam precision-fit parts.



Want more information?

Contact
PT Hydraulics
Head Office
or your
Regional
Sales
Manager