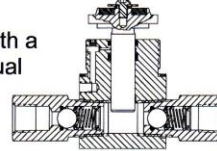


PUMP MODIFICATIONS

A combination of any of the modifications shown can be supplied upon request. Consult factory for additional information and dimensional data if required.

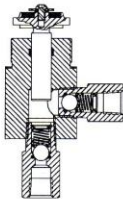
- **"A" Modification** – Available on all models

This modification utilizes dual seals in the hydraulic assembly with a bleed-off between the seals to atmosphere, thus providing a visual indication of hydraulic seal leakage. Used where contamination of the air motor from the hydraulic fluid being pumped is objectionable.



- **"K" Modification** – Available on 10-5/D5 and 10-6/D6

This modification utilizes a special air piston in the air motor assembly which decreases the stroke of the pump, thus minimizing the internal forces and increasing air motor life. Used in applications exhibiting rapid pressure losses, such as burst testing.

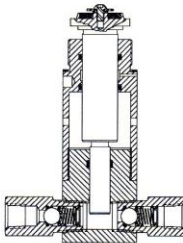
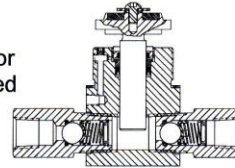


- **"B" Models** – Available on 10-5/D5 and 10-6/D6

The "B" models have a bottom inlet connection for convenient tank top installation or alternate mounting configuration.

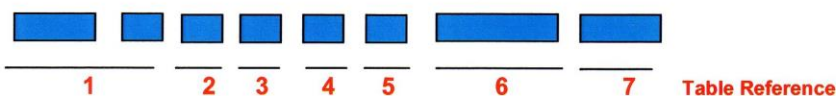
- **"H" Models** – Available on 10-5/D5 and 10-6/D6

The "H" Models utilize special packing in the hydraulic assembly for maximum performance where hydraulic fluid media is contaminated with foreign matter, thus providing for a much greater life expectancy from the hydraulic seals than with standard o-ring seals. The "A" modification is included on all "H" models.



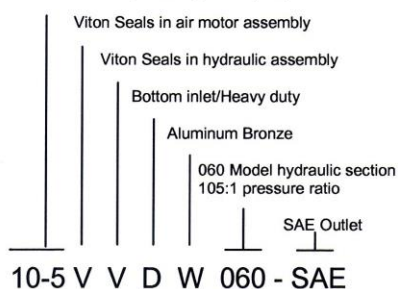
- **"R" Modification** – Available on 10-5/D5 and 10-6/D6
The "R" Models are furnished with an isolator attachment which prevents the hydraulic piston retracting into the air motor during operation, thus providing for 100% non-contamination of the hydraulic assembly from the air motor. The isolator also acts as a heat barrier.

HOW TO ORDER TABLE



Example #1 Pump Selection

10-5 Series air operated hydraulic pump



Example #2 Pump Selection

D5 Series air operated hydraulic pump

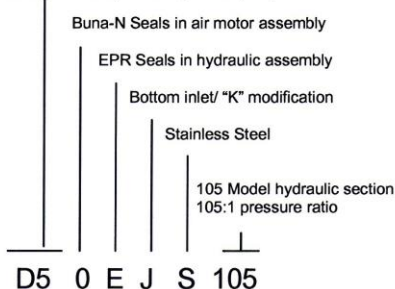


TABLE 1 ⁽⁴⁾ Pump Series Designation

10-4	10-4 Series standard pump
10-5	10-5 Series standard pump
D5	D5 Series "Dry Lube" pump
10-6	10-6 Series standard pump
D6	D6 Series "Dry Lube" pump

TABLE 2 Seal Compound - Air Motor

0	Buna-N (standard)
V	Viton

TABLE 3 Seal Compound - Hydraulic Section

0	Buna-N nitrile (standard)
E	EPR - ethylene propylene
V	Fluorocarbon
*	Consult factory for special compounds

TABLE 4 Modifications

0	Standard pump
A	"A" modification
B	Bottom inlet ⁽¹⁾
D	Bottom inlet - heavy duty ^(1,3)
E	Bottom inlet - "A" modification ⁽¹⁾
G	Isolator - heavy duty ^(1,3)
H	Heavy duty ⁽¹⁾
J	Bottom inlet - "K" modification ⁽¹⁾
K	"K" modification ⁽¹⁾

TABLE 4 Modifications (continued)

M	Bottom inlet - "A" and "K" modification ⁽¹⁾
N	Isolator - "A" modification ⁽¹⁾
P	Isolator - "K" modification ⁽¹⁾
Q	Isolator - "A" and "K" modification ⁽¹⁾
R	Isolator ⁽¹⁾
S	Heavy duty - "K" modification ^(1,3)
U	Heavy duty - bottom inlet - "K" mod. ^(1,3)
V	Heavy duty - isolator - "K" modification ^(1,3)

TABLE 5 Material of Construction - Hyd. Section

W	Aluminum bronze & stainless steel (10-4, 10-5, 10-6 Series) standard
B	Aluminum bronze & stainless steel (D5, D6 Series) standard
S	All stainless steel
C	Cad plate carbon steel, stainless steel ⁽²⁾

TABLE 6 Model designation - Pressure ratio

Refer to pressure ratio charts for proper selection

TABLE 7 Port option

Blank	Standard
SAE	Straight thread as indicated on chart
HF4	9/16-18 x 1/4" OD tube 60K psi

Notes:

- (1) Not available for 10-4 Series
- (2) 25 piece minimum order
- (3) "A" modification included with all "H" modifications.
- (4) Do not fill gap on a two digit description. Refer to Example #2