# CATFORD ENGINEERING PRODUCTS

Jamestown
SA 5491

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## Hand Pumps, Diverter & Ball Valves

*Manual Diverter Valves *Solenoid Diverter Valves
*Ball Valves *Locking Devices *Hand Pumps & Tanks

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Due to fluctuations in the Australian dollar and the economic climate, please be advised that all prices are subject to change.
Please contact us to confirm pricing.

**All prices stated within are exclusive of GST**
(All prices are correct as of January 1st 2021, but Catford Engineering reserve the right to change these prices without notice)

# Hand Pumps, Diverter & Ball Valves

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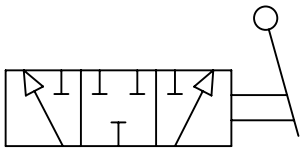
**PREMIUM ITALIAN PRODUCT**

## Manual Diverter Valves 3 Port

| Part Number | List Price $ | Ports | Max Pressure | Max Flow | Spool Crossover |
|---|---|---|---|---|---|
| DDF3380A | **88.00** | 3/8" BSPP | 350 bar | 60 lpm | Open Centre |
| DDF3120A | **113.00** | 1/2" BSPP | | 90 lpm | |
| DDF3340A | **129.00** | 3/4" BSPP | | 120 lpm | |
| DDF3100A | **180.00** | 1" BSPP | 300 bar | 200 lpm | |
| DDF3380B | **93.00** | 3/8" BSPP | 350 bar | 60 lpm | Closed Centre |
| DDF3120B | **124.00** | 1/2" BSPP | | 90 lpm | |
| DDF3340B | **134.00** | 3/4" BSPP | | 120 lpm | |
| DDF3100B | **185.00** | 1" BSPP | 300 bar | 200 lpm | |



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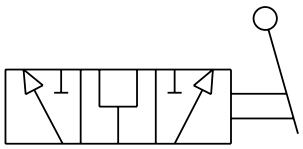
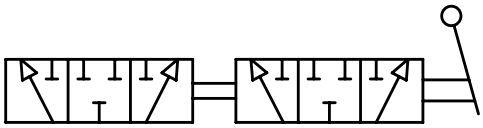


A

## Manual Diverter Valves 6 Port

| Part Number | List Price $ | Ports | Max Pressure | Max Flow | Spool Crossover |
|---|---|---|---|---|---|
| DDF6380A | **185.00** | 3/8" BSPP | 350 bar | 60 lpm | Open Centre |
| DDF6120A | **242.00** | 1/2" BSPP | | 90 lpm | |
| DDF6340A | **263.00** | 3/4" BSPP | | 120 lpm | |
| DDF6100A | **386.00** | 1" BSPP | 300 bar | 200 lpm | |
| DDF6380B | **201.00** | 3/8" BSPP | 350 bar | 60 lpm | Closed Centre |
| DDF6120B | **258.00** | 1/2" BSPP | | 90 lpm | |
| DDF6340B | **278.00** | 3/4" BSPP | | 120 lpm | |
| DDF6100B | **402.00** | 1" BSPP | 300 bar | 200 lpm | |



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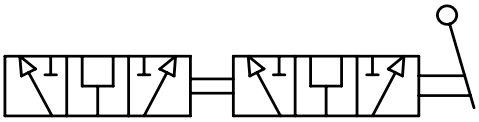
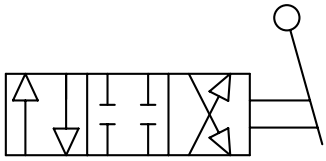


A

## Manual Diverter Valves 4 Port

| Part Number | List Price $ | Ports | Max Pressure | Max Flow | Spool Crossover |
|---|---|---|---|---|---|
| IDF4380A | **139.00** | 3/8” BSPP | 350 bar | 60 lpm | Closed Centre |
| IDF4120A | **144.00** | 1/2” BSPP | | 90 lpm | |
| IDF4340A | **206.00** | 3/4” BSPP | | 120 lpm | |
| IDF4100A | **221.00** | 1” BSPP | 300 bar | 200 lpm | |
| IDF4380B | **134.00** | 3/8” BSPP | 350 bar | 60 lpm | Open Centre |
| IDF4120B | **139.00** | 1/2” BSPP | | 90 lpm | |
| IDF4340B | **201.00** | 3/4” BSPP | | 120 lpm | |
| IDF4100B | **216.00** | 1” BSPP | 300 bar | 200 lpm | |



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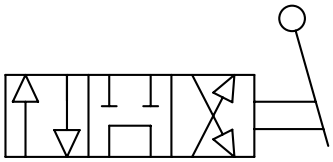
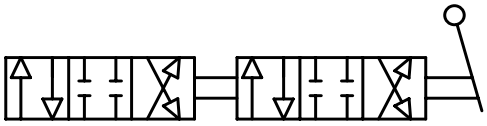


B

## Manual Diverter Valves 8 Port

| Part Number | List Price $ | Ports | Max Pressure | Max Flow | Spool Crossover |
|---|---|---|---|---|---|
| IDF8380A | **288.00** | 3/8” BSPP | 350 bar | 60 lpm | Closed Centre |
| IDF8120A | **304.00** | 1/2” BSPP | | 90 lpm | |
| IDF8340A | **427.00** | 3/4” BSPP | | 120 lpm | |
| IDF8100A | **469.00** | 1” BSPP | 300 bar | 200 lpm | |
| IDF8380B | **278.00** | 3/8” BSPP | 350 bar | 60 lpm | Open Centre |
| IDF8120B | **288.00** | 1/2” BSPP | | 90 lpm | |
| IDF8340B | **412.00** | 3/4” BSPP | | 120 lpm | |
| IDF8100B | **453.00** | 1” BSPP | 300 bar | 200 lpm | |



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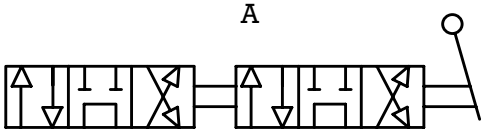
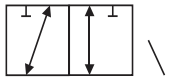


B

## Replacement Handles

| Part Number | List Price $ | To Fit | Port Size |
|---|---|---|---|
| 12000149 | **9.00** | DDF/IDF | 1/4”, 3/8”, 1/2” |
| 12000030 | **10.00** | | 3/4”, 1” |

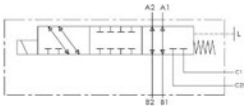
## Solenoid Diverter Valves 3 Port

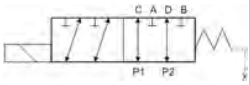
| Part Number | List Price $ | Ports | Max Pressure | Max Flow | Spool Crossover | |
|---|---|---|---|---|---|---|
| HVC-10-12VDC | 330.00 | 1/2" BSPP | 210 bar | 80 lpm |  Open | |
| HVC-10-24VDC | | | | | | |

## Solenoid Diverter Valves 6 Port (drain must be fitted above 150 bar when indicated)

| Part Number | List Price $ | Ports | Max Press | Max Flow | Bankable | Spool Crossover | |
|---|---|---|---|---|---|---|---|
| MOP-06-12VDC | 402.00 | 3/8" BSPP<br>Drain 1/4" BSPP | 250 bar | 50 lpm | Yes | Closed | |
| MOP-06-24VDC | | | | | | | |

| Part Number | List Price $ | Ports | Max Press | Max Flow | Bankable | Spool Crossover | |
|---|---|---|---|---|---|---|---|
| ZVH-06-12VDC | 433.00 | 3/8" BSPP | 210 bar | 50 lpm | No | Open | |
| ZVH-06-24VDC | | | | | | | |

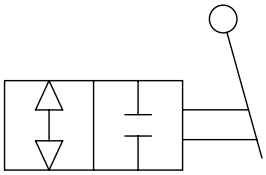
| Part Number | List Price $ | Ports | Max Press | Max Flow | Bankable | Spool Crossover | |
|---|---|---|---|---|---|---|---|
| SCS4-1S-1Y-1G4-12VDC | 510.00 | 1/2" BSPP<br>Drain 1/4" BSPP | 315 bar | 80 lpm | Yes |  Closed | |
| SCS4-1S-1Y-2G4-24VDC | | | | | | | |

| Part Number | List Price $ | Ports | Max Press | Max Flow | Bankable | Spool Crossover | |
|---|---|---|---|---|---|---|---|
| SVK-10-12VDC | 536.00 | 3/4" BSPP<br>Drain 1/4" BSPP | 250 bar | 80 lpm | Yes |  Closed | |
| SVK-10-24VDC | | | | | | | |

| Part Number | List Price $ | Ports | Max Press | Max Flow | Bankable | Spool Crossover | |
|---|---|---|---|---|---|---|---|
| KVH6-MB-G1/2 | 422.00 | 1/2" BSPP | 250 bar | 50 lpm | No | Closed | |

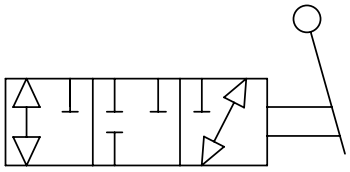
## Ball Valves 2 Port

| Part Number | List Price $ | Ports | Max Pressure | Max Flow | Material |
|---|---|---|---|---|---|
| RAS2140P | **62.00** | 1/4” BSPP | 500 bar | 25 lpm | Steel |
| RAS2380P | **67.00** | 3/8” BSPP | | 35 lpm | |
| RAS2120P | **82.00** | 1/2” BSPP | | 60 lpm | |
| RAS2340P | **134.00** | 3/4” BSPP | 400 bar | 100 lpm | |
| RAS2100P | **165.00** | 1” BSPP | 350 bar | 150 lpm | |
| RAS2114P | **175.00** | 1.1/4” BSPP | | | |
| RAS2112P | **196.00** | 1.1/2” BSPP | | | |



## Ball Valves 3 Port (L port design)

| Part Number | List Price $ | Ports | Max Pressure | Max Flow | Material |
|---|---|---|---|---|---|
| RAS3140P | **124.00** | 1/4” BSPP | 400 bar | 25 lpm | Steel |
| RAS3380P | **134.00** | 3/8” BSPP | | 35 lpm | |
| RAS3120P | **144.00** | 1/2” BSPP | 350 bar | 60 lpm | |
| RAS3340P | **227.00** | 3/4” BSPP | | 100 lpm | |
| RAS3100P | **268.00** | 1” BSPP | | 150 lpm | |
| RAS3114P | **288.00** | 1.1/4” BSPP | | | |
| RAS3112P | **330.00** | 1.1/2” BSPP | | | |

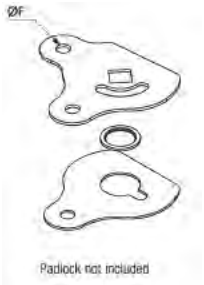


## Replacement Handles

| Part Number | List Price $ | To Fit | Port Size |
|---|---|---|---|
| 89800001 | **42.00** | RAS2/RAS3 | 1/4”, 3/8”, 1/2” |
| 89800002 | **74.00** | | 3/4”, 1”, 1.1/4”, 1.1/2” |

## Locking Devices

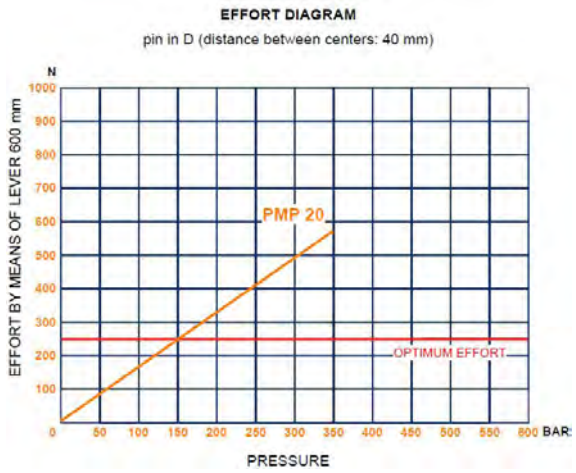
| Part Number | List Price $ | To Fit | Port Size | Material |
|---|---|---|---|---|
| LK6-F | 62.00 | RAS2/RAS3 Ball Valves | 1/4", 3/8", 1/2" | Steel |
| LK20-F | 93.00 | | 3/4", 1", 1.1/4", 1.1/2" | |

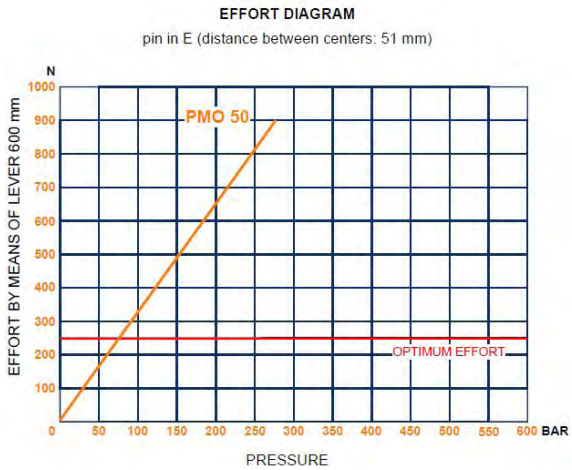


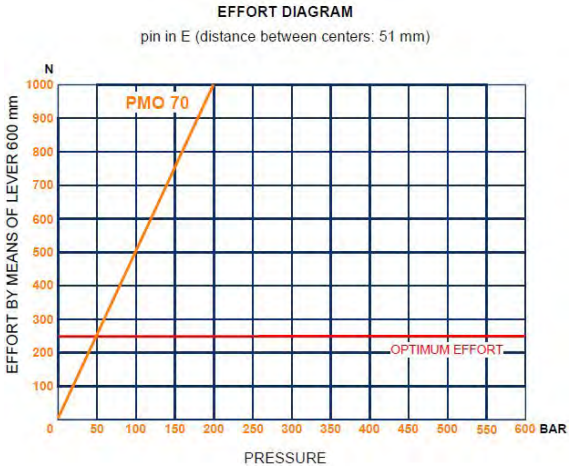
| Part Number | List Price $ | To Fit | Port Size | Material |
|---|---|---|---|---|
| SB6 | 98.00 | RAS2/RAS3 Ball Valves | 1/4", 3/8", 1/2" | Steel |
| SB20 | 160.00 | | 3/4", 1", 1.1/4", 1.1/2" | |

## Single Acting Hand Pumps with Relief - Remote Mounting

| Part Number | List Price $ | Size | Optimal Pressure | Maximum Pressure | Description |
|---|---|---|---|---|---|
| PMP20-BYB-E-S | **407.00** | 20 cc | 150 bar | 350 bar | Pressure relief valve. Dual action hand pump for single-acting cylinder for fixing to wall. |
| PMO50-BYB-E-S | **458.00** | 50 cc | 50 bar | 280 bar | |
| PMO70-BYB-E-S | **649.00** | 70 cc | 80 bar | 200 bar | |
| PMP20-BYB-S | **407.00** | 20 cc | 150 bar | 350 bar | As above, with release hand knob |
| PMO50-BYB-S | **458.00** | 50 cc | 50 bar | 280 bar | |
| PMO70-BYB-S | **649.00** | 70 cc | 80 bar | 200 bar | |

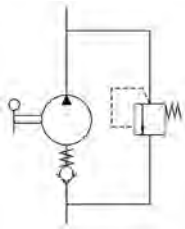


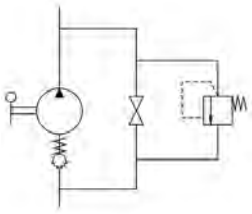




**PMP**

**PMO**



**without release hand knob**

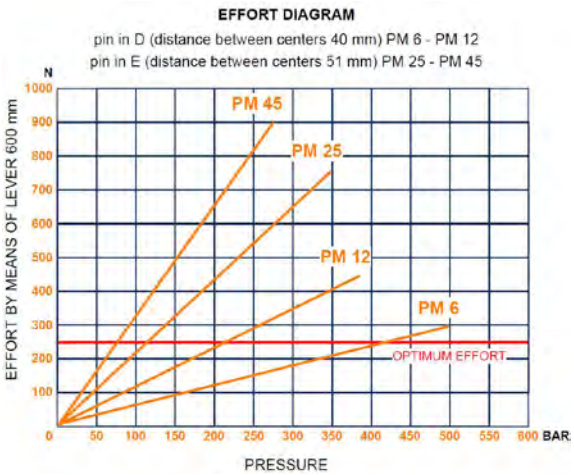


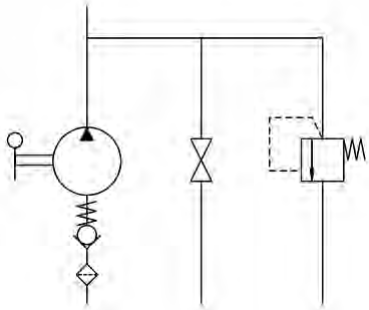
**with release hand knob**

**All hand pumps have rubber protection on shaft**

## Single Acting Hand Pumps with Relief - Tank Mount

| Part Number | List Price $ | Size | Optimal Pressure | Maximum Pressure | Description |
|---|---|---|---|---|---|
| PM12-BYB-S | **407.00** | 12 cc | 220 bar | 380 bar | Pressure relief valve with relief hand knob. Dual action hand pump for single-acting cylinder for fixing to tank. |
| PM25-BYB-S | **407.00** | 25 cc | 120 bar | 350 bar | |
| PM45-BYB-S | **407.00** | 45 cc | 80 bar | 250 bar | |
| PM12-BYB-L-S | **417.00** | 12 cc | 220 bar | 380 bar | As above, with release lever instead of hand knob |
| PM25-BYB-L-S | **422.00** | 25 cc | 120 bar | 350 bar | |
| PM45-BYB-L-S | **427.00** | 45 cc | 80 bar | 250 bar | |



with release hand knob

with release lever

**All hand pumps have rubber protection on shaft**

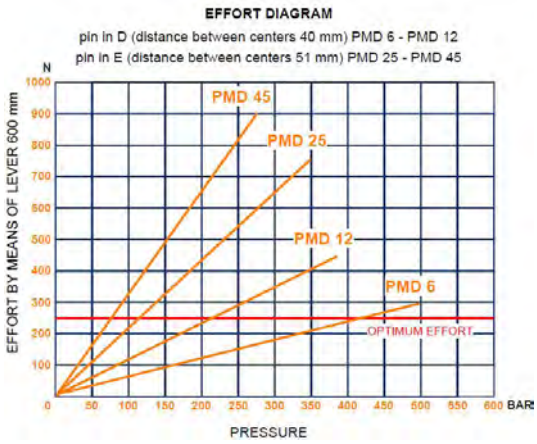
**Tanks on page 47**

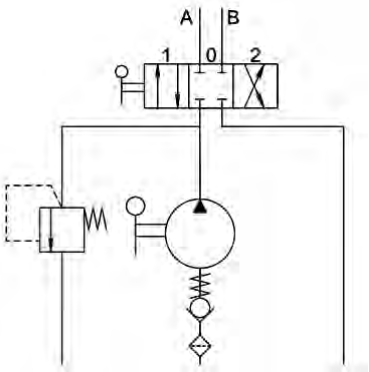
## Double Acting Hand Pumps with Relief - Tank Mount

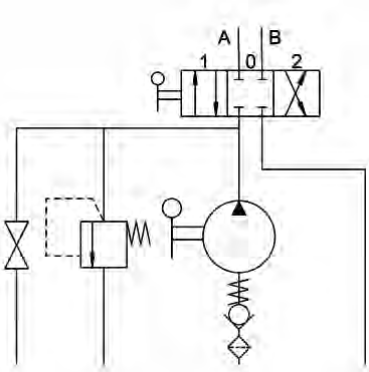
| Part Number | List Price $ | Size | Optimal Pressure | Maximum Pressure | Description |
|---|---|---|---|---|---|
| PMD12-BYB-S | **443.00** | 12 cc | 220 bar | 380 bar | Pressure relief valve. 4/3 flow divider closed centre. Dual action hand pump for double-acting cylinder for fixing to tank. |
| PMD25-BYB-S | **448.00** | 25 cc | 120 bar | 350 bar | |
| PMD45-BYB-S | **469.00** | 45 cc | 80 bar | 280 bar | |
| PMD12-BYA-L-S | **500.00** | 12 cc | 220 bar | 380 bar | As above, with release lever. |
| PMD25-BYA-L-S | **505.00** | 25 cc | 120 bar | 350 bar | |
| PMD45-BYA-L-S | **525.00** | 45 cc | 80 bar | 280 bar | |

Without release lever

With release lever



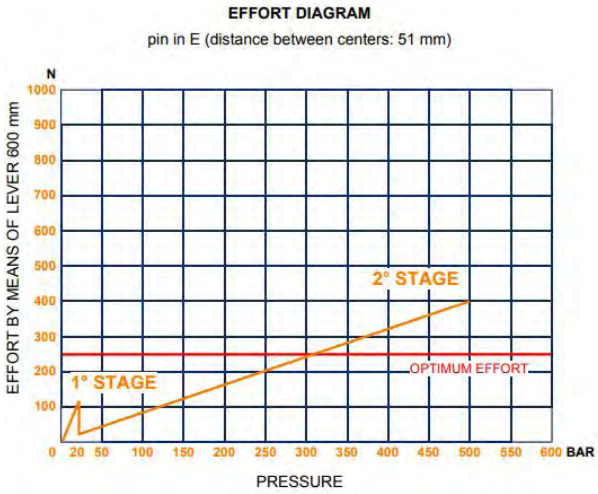



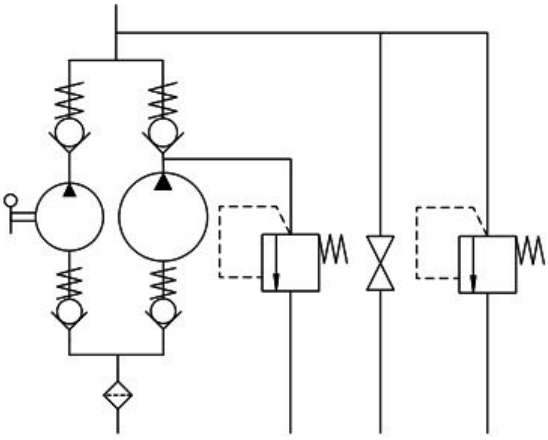

**All hand pumps have rubber protection on shaft**

**Tanks on page 47**

## Hi-Lo Hand Pump with Relief - Tank Mount

| Part Number | List Price $ | Size | Max Pressure | | Relief |
|---|---|---|---|---|---|
| PM2V-5/80-A-BYB-PM-S | **1329.00** | 80 cc (stage 1)<br>5 cc (stage 2) | 500 bar (stage 1) | 20 bar (stage 2) | Adjustable relief 50-500 bar |



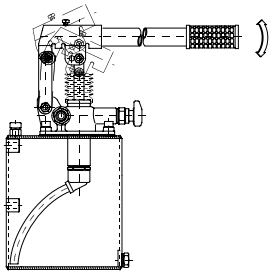



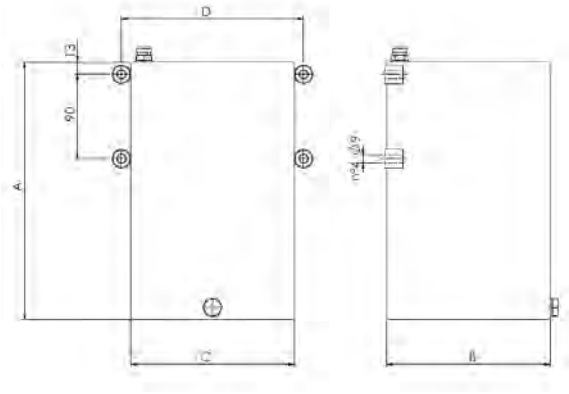
**All hand pumps have rubber protection on shaft**

**Tanks on page 47**

## Tanks

| Part Number | List Price $ | Size | A | B | C | D |
|---|---|---|---|---|---|---|
| 6500.0140 | **134.00** | 1 L | 120mm | 150mm | 100mm | 120mm |
| 6500.0141 | **139.00** | 2 L | 185mm | | | |
| 6500.0142 | **160.00** | 3 L | 255mm | | | |
| 6500.0143 | **191.00** | 5 L | 200mm | 175mm | 175mm | 195mm |
| 6500.0144 | **227.00** | 7 L | 275mm | | | |
| 6500.0145 | **273.00** | 10 L | 380mm | | | |





**All tanks come with breather and suction tube**

## Hand Pump Parts

| Part Number | List Price $ | Description |
|---|---|---|
| 0038.0001.00.00 | **22.00** | Rubber boot - pump shafts |
| 6800.0009 | **41.00** | Pump handle |
| 3000.0000.01.00 | **31.00** | Gasket & bolt kit - PM pumps |
| 3000.0001.00.00 | **31.00** | Gasket & bolt kit - PMD pumps |
| 3000.0005.00.00 | **46.00** | Lowering valve (blue knob) |
| 3000.0006.00.00 | **36.00** | Relief valve |
| 3000.0007.00.00 | **57.00** | Unload valve (lever) |
| 036.0006.00.00 | **39.00** | Tank breather |