











# Oil Pump Selection Guide

| Pump Family and Fluid Pressure Ratio   | Typical Applications  | Annual Usage             | Line Length            | Simultaneous Dispense Points | Approx. Free Flow Rate @ 100 psi | Air Inlet  | Fluid Inlet  | Fluid Outlet | Air Operation Range        | Reference Page |
|--|---|--------------------------|------------------------|------------------------------|----------------------------------|------------|--------------|--------------|----------------------------|----------------|
| <b>Fast-Ball, 1:1</b><br>           | <ul style="list-style-type: none"> <li>Automotive dealerships</li> <li>Fast lube centers</li> <li>Fleet service facilities</li> <li>Heavy-duty dealerships</li> <li>In-plant</li> <li>Lube trucks</li> <li>Lubricant transfer</li> <li>Mining</li> <li>Service shops</li> </ul> | 5,000 gal (19,00 l)      | < 100 ft (30 m)        | 1 (no reels)                 | 5 gpm (19 lpm)                   | 1/4 NPT(F) | 1-1/2 NPT(F) | 3/4 NPT(F)   | 40-80 psi (2.7-12.5 bar)   | 54             |
| <b>LD, 3:1</b><br>                  | <ul style="list-style-type: none"> <li>Automotive dealerships</li> <li>Fast lube centers</li> <li>Lube trucks</li> <li>Lubricant transfer</li> <li>Service shops</li> </ul>   | 20,000 gal (75,000 l)    | 300 ft (91 m)          | 1 to 2                       | 7.8 gpm (30 lpm)                 | 1/4 NPT(F) | 1 NPT(F)     | 1/2 NPT(F)   | 20-150 psi (1.37-10.3 bar) | 22             |
| <b>LD, 5:1</b><br>                  | <ul style="list-style-type: none"> <li>Automotive dealerships</li> <li>Fast lube centers</li> <li>Lube trucks</li> <li>Lubricant transfer</li> <li>Service shops</li> </ul>   | 20,000 gal (75,000 l)    | 300 ft (91 m)          | 1 to 2                       | 6.7 gpm (25 lpm)                 | 1/4 NPT(F) | 1 NPT(F)     | 1/2 NPT(F)   | 20-150 psi (1.37-10.3 bar) | 22             |
| <b>Mini Fire-Ball 225, 3:1</b><br> | <ul style="list-style-type: none"> <li>Automotive dealerships</li> <li>Fast lube centers</li> <li>Fleet service facilities</li> <li>Heavy-duty dealerships</li> <li>In-plant</li> <li>Lube trucks</li> <li>Lubricant transfer</li> <li>Mining</li> <li>Service shops</li> </ul> | 30,000 gal (113,500 l)   | 250 ft (76 m)          | 1 to 2                       | 8.3 gpm (32 lpm)                 | 3/8 NPT(F) | 1-1/2 NPT(F) | 1/2 NPT(F)   | 40-180 psi (2.8-12 bar)    | 40             |
| <b>Fire-Ball 300, 5:1</b><br>     | <ul style="list-style-type: none"> <li>Automotive dealerships</li> <li>Fast lube centers</li> <li>Fleet service facilities</li> <li>Heavy-duty dealerships</li> <li>In-plant</li> <li>Lube trucks</li> <li>Lubricant transfer</li> <li>Mining</li> <li>Service shops</li> </ul> | 35,000 gal (132,000 l)   | 500 ft (152 m)         | 1 to 3                       | 12.1 gpm (46 lpm)                | 3/8 NPT(F) | 1-1/2 NPT(F) | 1/2 NPT(F)   | 40-180 psi (2.8-12 bar)    | 44             |
| <b>Fire-Ball 425, 3:1</b><br>     | <ul style="list-style-type: none"> <li>Automotive dealerships</li> <li>Fast lube centers</li> <li>Fleet service facilities</li> <li>Heavy-duty dealerships</li> <li>In-plant</li> <li>Lube trucks</li> <li>Lubricant transfer</li> <li>Mining</li> <li>Service shops</li> </ul> | > 35,000 gal (132,000 l) | Up to 250 ft (76 m)    | 3 to 4                       | 28.7 gpm (109 lpm)               | 1/2 NPT(F) | 1-1/2 NPT(F) | 3/4 NPT(F)   | 40-180 psi (2.8-12 bar)    | 49             |
| <b>Fire-Ball 425, 6:1</b><br>     | <ul style="list-style-type: none"> <li>Automotive dealerships</li> <li>Fast lube centers</li> <li>Fleet service facilities</li> <li>Heavy-duty dealerships</li> <li>In-plant</li> <li>Lube trucks</li> <li>Lubricant transfer</li> <li>Mining</li> <li>Service shops</li> </ul> | > 35,000 gal (132,000 l) | Up to 500 ft (152 m)   | 3 to 4                       | 17.1 gpm (65 lpm)                | 1/2 NPT(F) | 1-1/2 NPT(F) | 3/4 NPT(F)   | 40-180 psi (2.8-12 bar)    | 49             |
| <b>Fire-Ball 425, 10:1</b><br>    | <ul style="list-style-type: none"> <li>Automotive dealerships</li> <li>Fast lube centers</li> <li>Fleet service facilities</li> <li>Heavy-duty dealerships</li> <li>In-plant</li> <li>Lube trucks</li> <li>Lubricant transfer</li> <li>Mining</li> <li>Service shops</li> </ul> | > 35,000 gal (132,000 l) | Up to 750 ft (228.6 m) | 3 to 4                       | 11.7 gpm (44 lpm)                | 1/2 NPT(F) | 1-1/2 NPT(F) | 3/4 NPT(F)   | 40-180 psi (2.8-12 bar)    | 49             |

| Pump Family and Fluid Pressure Ratio  | Typical Applications   | Annual Usage             | Line Length            | Simultaneous Dispense Points | Air Inlet  | Fluid Inlet  | Fluid Outlet | Air Operation Range     | Reference Page |
|---|--|--------------------------|------------------------|------------------------------|------------|--------------|--------------|-------------------------|----------------|
|  <b>NXT High Flo, 3.5:1</b>  | <ul style="list-style-type: none"> <li>Fleet service facilities</li> <li>In-plant large runs</li> <li>Large volume lubricant transfer</li> <li>Mining remote fill</li> </ul> | > 35,000 gal (132,000 l) | Up to 250 ft (76 m)    | 4 to 5                       | 3/4 NPT(F) | 1-1/2 NPT(F) | 1 NPT(F)     | 20-100 psi (1.4-7 bar)  | 61             |
|  <b>NXT High Flo, 4.5:1</b>  | <ul style="list-style-type: none"> <li>Fleet service facilities</li> <li>In-plant large runs</li> <li>Large volume lubricant transfer</li> <li>Mining remote fill</li> </ul> | > 35,000 gal (132,000 l) | Up to 450 ft (137 m)   | 4 to 5                       | 3/4 NPT(F) | 1-1/2 NPT(F) | 1 NPT(F)     | 20-100 psi (1.4-7 bar)  | 61             |
|  <b>NXT High Flo, 6:1</b>    | <ul style="list-style-type: none"> <li>Fleet service facilities</li> <li>In-plant large runs</li> <li>Large volume lubricant transfer</li> <li>Mining remote fill</li> </ul> | > 35,000 gal (132,000 l) | Up to 500 ft (152 m)   | 4 to 5                       | 3/4 NPT(F) | 2 NPT(F)     | 2 NPT(F)     | 20-75 psi (1.4-5.2 bar) | 61             |
|  <b>NXT Dura-Flo, 6:1</b>    | <ul style="list-style-type: none"> <li>Fleet service facilities</li> <li>In-plant large runs</li> <li>Large volume lubricant transfer</li> <li>Mining remote fill</li> </ul> | > 35,000 gal (132,000 l) | Up to 500 ft (152 m)   | 2 to 4                       | 3/4 NPT(F) | 2 NPT(F)     | 1-1/2 NPT(F) | 20-100 psi (1.4-7 bar)  | 63             |
|  <b>NXT Dura-Flo, 10:1</b>  | <ul style="list-style-type: none"> <li>Fleet service facilities</li> <li>In-plant large runs</li> <li>Large volume lubricant transfer</li> <li>Mining remote fill</li> </ul> | > 35,000 gal (132,000 l) | Up to 750 ft (228.6 m) | 2 to 4                       | 3/4 NPT(F) | 2 NPT(F)     | 1-1/2 NPT(F) | 20-100 psi (1.4-7 bar)  | 64             |
|  <b>NXT Dura-Flo, 12:1</b> | <ul style="list-style-type: none"> <li>Fleet service facilities</li> <li>In-plant large runs</li> <li>Large volume lubricant transfer</li> <li>Mining remote fill</li> </ul> | > 35,000 gal (132,000 l) | Up to 1000 ft (305 m)  | 2 to 4                       | 3/4 NPT(F) | 2 NPT(F)     | 1-1/2 NPT(M) | 20-100 psi (1.4-7 bar)  | 64             |
|  <b>NXT Dura-Flo, 23:1</b> | <ul style="list-style-type: none"> <li>Fleet service facilities</li> <li>In-plant large runs</li> <li>Large volume lubricant transfer</li> <li>Mining remote fill</li> </ul> | > 35,000 gal (132,000 l) | Up to 1000 ft (305 m)  | 2 to 4                       | 3/4 NPT(F) | 2 NPT(F)     | 1-1/2 NPT(M) | 20-75 psi (1.4-5.2 bar) | 64             |

| Pump Family and Fluid Pressure Ratio   | Typical Applications   | Maximum Output Flow Rate | Maximum Fluid Output Pressure | Hydraulic Inlet | Hydraulic Outlet | Fluid Inlet  | Fluid Outlet | Maximum Hydraulic Inlet Pressure | Reference Page |
|--|--|--------------------------|-------------------------------|-----------------|------------------|--------------|--------------|----------------------------------|----------------|
|  <b>Dyna-Star 1:1</b>   | <ul style="list-style-type: none"> <li>Fleet service facilities</li> <li>Heavy-duty dealerships</li> <li>In-plant</li> <li>Lube trucks</li> <li>Lubricant transfer</li> <li>Mining</li> <li>Service shops</li> </ul> | 3 gpm (11 lpm)           | 1500 psi (102 bar)            | 3/8 NPT(F)      | 3/4 NPT(F)       | 1-1/2 NPT(F) | 1/2 NPT(F)   | 1500 psi (102 bar)               | 68             |
|  <b>Dyna-Star 1/4:1</b> | <ul style="list-style-type: none"> <li>Fleet service facilities</li> <li>Heavy-duty dealerships</li> <li>In-plant</li> <li>Lube trucks</li> <li>Lubricant transfer</li> <li>Mining</li> <li>Service shops</li> </ul> | 10 gpm (38 lpm)          | 375 psi (25.1 bar)            | 3/8 NPT(F)      | 3/4 NPT(F)       | 1-1/2 NPT(F) | 1/2 NPT(F)   | 1500 psi (102 bar)               | 68             |
|  <b>Power-Star 1:1</b>  | <ul style="list-style-type: none"> <li>Fleet service facilities</li> <li>Heavy-duty dealerships</li> <li>In-plant</li> <li>Lube trucks</li> <li>Lubricant transfer</li> <li>Mining</li> <li>Service shops</li> </ul> | 12 gpm (45 lpm)          | 1500 psi (102 bar)            | 3/4 NPT(F)      | 1-1/4 NPT(F)     | 1-1/2 NPT(F) | 1/2 NPT(F)   | 1500 psi (102 bar)               | 70             |