

KUKA VALVE

| NO | BRAND | ITEM CODE            | SIZE   | RATING | MATERIAL                    |                           | BALL/STEM          | SEAT MATERIAL | ENP/NO ENP | NO CONNECTIC | BORE   | MODEL         | SERIAL NO. | ACTUAL CONDITION | MARCH BAL |
|----|-------|----------------------|--------|--------|-----------------------------|---------------------------|--------------------|---------------|------------|--------------|--------|---------------|------------|------------------|-----------|
|    |       |                      |        |        | BODY MATERIAL               | BODY MATERIAL DESCRIPTION |                    |               |            |              |        |               |            |                  |           |
| 1  | KUKA  | TBA                  | 2"     | 300#   | WCB + ENP                   |                           | F316 /F316         | PTFE          | WITH ENP   | RF           | REDUCE | CAA 30 SG LN  | LN         | OK               | 30        |
| 2  | KUKA  |                      | 2"     | 300#   | WCB                         |                           | CF8M / F316        | PEEK          | NO ENP     | RF           | REDUCE | CAA 30 BK 050 |            | OK               | 1         |
| 3  | KUKA  | *KKV02-60-017        | 2"     | 600#   | A351 CF8M                   |                           | A351 CF8M 630      | DEVLON        | NO ENP     | RF           | REDUCE | CGA 60 DV BN  | BN         | OK               | 2         |
| 4  | KUKA  | *KKV02-60-034        | 2"     | 600#   | A351 CF8M                   |                           | TBA                | PTFE          | NO ENP     | RF           | REDUCE | CGA 60 DG BN  | NIL        | OK               | 1         |
| 5  | KUKA  | TBA                  | 2"     | 900#   | LF2 + ENP                   |                           | A351 CF8M 630      | DEVLON        | WITH ENP   | RF           | FULL   | CHA 90 LV 050 | NIL        | OK               | 2         |
| 6  | KUKA  | *KKV02-90-005        | 2"     | 900#   | A350 LF2 + NO ENP           |                           | F316 / 630         | DEVLON        | NO ENP     | RF           | REDUCE | CIA 90 LV BN  | BN         | OK               | 2         |
| 7  | KUKA  | *KKV03-15-001        | 3"     | 150#   | A216 WCB + NO ENP           |                           | A351 CF8M 316      | PTFE          | NO ENP     | RF           | REDUCE | CAA 15 BG LN  | LN         | OK               | 2         |
| 8  | KUKA  | *KKV03-15-002        | 3"     | 150#   | A216 WCB + NO ENP           |                           | A351 CF8M 316      | PTFE          | NO ENP     | RF           | REDUCE | CAA 15 BG BN  | LN         | OK               | 7         |
| 9  | KUKA  | *KKV03-15-008        | 3"     | 150#   | A352 LCC + NO ENP           |                           | A351 CF8M 316      | PTFE          | NO ENP     | RF           | FULL   | CBA 15 LG LN  | LN         | OK               | 5         |
| 10 | KUKA  | *KKV03-15-010        | 3"     | 150#   | A351 CF8M + ENP             |                           | A351 CF8M 316      | PTFE          | NO ENP     | RF           | REDUCE | CCA 15 DG LN  | LN         | OK               | 1         |
| 11 | KUKA  | *KKV03-15-011        | 3"     | 150#   | A216 WCB + NO ENP           |                           | A351 CF8M 316      | PTFE          | NO ENP     | RF           | REDUCE | CCA 15 BG BN  | BN         | OK               | 2         |
| 12 | KUKA  | *KKV03-30-004        | 3"     | 300#   | A216 WCB + NO ENP           |                           | A351 CF8M 316      | PTFE          | NO ENP     | RF           | REDUCE | CGA 30 BG BN  | BN         | OK               | 1         |
| 13 | KUKA  | *KKV03-60-013        | 3"     | 600#   | A352 LCC                    |                           | 316 SS 316         | DEVLON        | NO ENP     | RF           | FULL   | CFA 60 LV LN  | LN         | OK               | 3         |
| 14 | KUKA  | *KKV03-60-014        | 3"     | 600#   | A216 LCC + ENP              |                           | A351 CF8M 630      | DEVLON        | WITH ENP   | RF           | REDUCE | CGA 60 LV BN  | BN         | OK               | 1         |
| 15 | KUKA  | *KKV03-60-019        | 3"     | 600#   | A351 CF8M                   |                           | A182 F316          | DEVLON        | NO ENP     | RF           | FULL   | CFA 60 DV LN  | LN         | OK               | 3         |
| 16 | KUKA  | *KKV03-60-001        | 3"     | 600#   | A216 WCB                    |                           | TBA                | PEEK          | NO ENP     | RF           | REDUCE | CGA 60 BK BN  | BN         | OK               | 1         |
| 17 | KUKA  | *KKV03-60-015        | 3"     | 600#   | A216 WCB + NO ENP           |                           | A351 CF8M 316      | DEVLON        | NO ENP     | RF           | FULL   | CFA 60 BV BN  | BN         | OK               | 1         |
| 18 | KUKA  | *KKV03-60-016        | 3"     | 600#   | A216 WCB + NO ENP           |                           | A351 CF8M 630      | DEVLON        | NO ENP     | RF           | REDUCE | CGA 60 BV BN  | BN         | OK               | 1         |
| 19 | KUKA  | *KKV03-90-007        | 3"     | 900#   | A105 + NO ENP               |                           | 316 SS 630         | DEVLON        | NO ENP     | RF           | FULL   | CHA 90 BV GN  | GN         | OK               | 2         |
| 20 | KUKA  | *KKV04-15-002        | 4"     | 150#   | A352 LCC + NO ENP           |                           | A351 CF8M 316      | PTFE          | NO ENP     | RF           | FULL   | CBA 15 LG LN  | LN         | OK               | 5         |
| 21 | KUKA  | *KKV04-15-002 (Baru) | 4"     | 150#   | A352 LCC + NO ENP           |                           | A351 CF8M 316      | PTFE          | NO ENP     | RF           | FULL   | CBA 15 LG LN  | LN         | OK               | 2         |
| 22 | KUKA  | *KKV04-15-004        | 4"     | 150#   | C95800 (AL-BRONZE) + NO ENP |                           | C95800 (AL-BRONZE) | N04400        | NO ENP     | RF           | REDUCE | CCA 15 RG LN  | LN         | OK               | 2         |
| 23 | KUKA  | *KKV04-15-010        | 4"     | 150#   | A216 WCB + NO ENP           |                           | A351 CF8M 630      | PTFE          | NO ENP     | RF           | REDUCE | CCA 15 BG LN  | LN         | OK               | 1         |
| 24 | KUKA  | TBA                  | 4"     | 150#   | A351 CF8M                   |                           | F316 / F316        | PTFE          | NO ENP     | RF           | FULL   | CBA 15 DG 100 | NIL        | OK               | 2         |
| 25 | KUKA  | TBA                  | 4"     | 150#   | WCB                         |                           | CF8M / 316         | PTFE          | NO ENP     | RF           | REDUCE | CAA 15 BG 100 | NIL        | OK               | 1         |
| 26 | KUKA  | *KKV04-30-004        | 4"     | 300#   | A216 WCB + NO ENP           |                           | A351 CF8M 316      | PTFE          | NO ENP     | RF           | FULL   | CBA 30 SG BN  | BN         | OK               | 3         |
| 27 | KUKA  | *KKV04-90-001        | 4"     | 900#   | A350 LF2 + NO ENP           |                           | F316 / SS 630      | DEVLON        | NO ENP     | RF           | REDUCE | CIA 90 LV GN  | GN         | OK               | 2         |
| 28 | KUKA  | *KKV04-90-006        | 4"     | 900#   | A105 + NO ENP               |                           | A351 CF8M 630      | DEVLON        | NO ENP     | RF           | REDUCE | CIA 90 BV GN  | GN         | OK               | 1         |
| 29 | KUKA  | *KKV06-30-004        | 6"     | 300#   | A216 WCB + NO ENP           |                           | A351 CF8M 630      | PTFE          | NO ENP     | RF           | REDUCE | CGA30 BG BN   | BN         | OK               | 8         |
| 30 | KUKA  | *KKV06-60-007        | 6"     | 600#   | A216 WCB + NO ENP           |                           | A351 CF8M 630      | DEVLON        | NO ENP     | RF           | REDUCE | CGA 60 BV BN  | BN         | OK               | 3         |
| 31 | KUKA  | *KKV08-15-003        | 8"     | 150#   | A351 CF8M                   |                           | TBA                | PTFE          | NO ENP     | RF           | FULL   | CBA 15 DG GN  | GN         | OK               | 4         |
| 32 | KUKA  | *KKV08-30-003        | 8"     | 300#   | A216 WCB + NO ENP           |                           | A351 CF8M 630      | PTFE          | NO ENP     | RF           | REDUCE | CGA 30 BG BN  | BN         | OK               | 2         |
| 33 | KUKA  | *KKV08-60-002        | 8"     | 600#   | A216 WCB + NO ENP           |                           | A351 CF8M 630      | DEVLON        | NO ENP     | RF           | REDUCE | CGA 60 BV BN  | BN         | OK               | 1         |
| 34 | KUKA  | TBA                  | 8"     | 600#   | WCB                         |                           | CF8M 316           | DEVLON        | NO ENP     | RF           | FULL   | CFA 60 BV BN  | BN         | OK               | 1         |
| 35 | KUKA  | *KKV08-90-001        | 8"     | 900#   | A105 + NO ENP               |                           | A351 CF8M 630      | DEVLON        | NO ENP     | RF           | FULL   | CHA 90 BV BN  | BN         | OK               | 3         |
| 36 | KUKA  | TBA                  | 8"     | 900#   | A105 + NO ENP               |                           | A351 CF8M 630      | DEVLON        | NO ENP     | RF           | REDUCE | CIA 90 BV BN  | BN         | OK               | 1         |
| 37 | KUKA  | TBA                  | 10"    | 600#   | F316                        |                           | F316 / 630         | DEVLON        | NO ENP     | RF           | REDUCE | CIA 60 DV BN  |            | OK               | 1         |
| 38 | KUKA  | *KKV10-90-001        | 10"    | 900#   | A350 LF2 + ENP              |                           | CF8M / 630         | DEVLON        | WITH ENP   | RF           | FULL   | CHA 90 LV BN  | BN         | OK               | 1         |
| 39 | KUKA  | *KKV6Q-30-001        | 1 1/2" | 300#   | A351 CF8M                   |                           | CF3M / 630         | PTFE          | NO ENP     | RF           | FULL   | CBA 30 DG BN  | BN         | OK               | 4         |
| 40 | KUKA  | *KKV6Q-15-004        | 1 1/2" | 150#   | A216 WCB                    |                           | F316 / F316        | PTFE          | NO ENP     | RF           | REDUCE | CCA 15 BG LN  | LN         | OK               | 8         |

DELLA VALVES

| NO | BRAND | ITEM CODE     | SIZE   | RATING | MATERIAL      |                           | BALL/STEM            | SEAT MATERIAL | ENP /NO ENP | ND CONNECTIC | BORE   | MODEL | SERIAL NO. | ACTUAL CONDITION | MARCH BAL |
|----|-------|---------------|--------|--------|---------------|---------------------------|----------------------|---------------|-------------|--------------|--------|-------|------------|------------------|-----------|
|    |       |               |        |        | BODY MATERIAL | BODY MATERIAL DESCRIPTION |                      |               |             |              |        |       |            |                  |           |
| 1  | DELLA | *DEV6Q-15-002 | 1 1/2" | 150#   | F316          |                           | F316                 | F316/PTFCG    | NO ENP      | RF           | FULL   | BALL  |            | OK               | 1         |
| 2  | DELLA | *RPV06-15-001 | 6"     | 150#   | A350 LF2 CL.1 |                           | F316/F51             | F316/PTFCG    | NO ENP      | RF           | FULL   | BALL  |            | OK               | 1         |
| 3  | DELLA | NILL          | 6"     | 600#   | F316          |                           | F316/A564 TP630      | F316/PTFCG    | NO ENP      | RF           | FULL   | BALL  |            | OK               | 2         |
| 4  | DELLA | NILL          | 3"     | 1500#  | A105N         |                           | F6A CL2 / 564 TP 630 | F6A           | NO ENP      | RTJ          | FULL   | BALL  |            | OK               | 7         |
| 5  | DELLA | NILL          | 3"     | 600#   | A105N         |                           | F316 / A564 TP 630   | F316/PTFCG    | NO ENP      | RF           | REDUCE | BALL  |            | OK               | 2         |
| 6  | DELLA | NILL          | 3"     | 150#   | F316L         |                           | F316 / F316          | F316/PTFCG    | NO ENP      | RF           | FULL   | BALL  |            | OK               | 1         |
| 7  | DELLA | NILL          | 2"     | 1500#  | A105N         |                           | F6A CL2 / 564 TP 630 | DEVLON        | NO ENP      | RTJ          | FULL   | BALL  |            | OK               | 2         |
| 8  | DELLA | NILL          | 2"     | 600#   | A105N         |                           | A182F316/XM 19       | F316/RPTFE    | NO ENP      | RF           | REDUCE | BALL  |            | OK               | 2         |
| 9  | DELLA | NILL          | 2"     | 600#   | F316          |                           | A182F316/XM 19       | F316/DEVLON   | NO ENP      | RF           | REDUCE | BALL  |            | OK               | 1         |
| 10 | DELLA | NILL          | 2"     | 150#   | F316          |                           | F316/A564 TP630      | F316/PTFCG    | NO ENP      | RF           | FULL   | BALL  |            | OK               | 2         |
| 11 | DELLA | NILL          | 2"     | 300#   | A105N         |                           | F316/INC 718         | F316/PTFCG    | NO ENP      | RF           | REDUCE | BALL  |            | OK               | 1         |
| 12 | DELLA | NILL          | 8"     | 300#   | F51           | Stainless Steel - Forging | F51                  | F51/DEVLON    | NO ENP      | RF           | REDUCE | BALL  |            | OK               | 1         |
|    |       |               |        |        |               |                           |                      |               |             |              |        |       |            |                  | 23        |

LCM VALVES

| NO | BRAND | ITEM CODE     | SIZE | RATING | MATERIAL        |                           | BALL/STEM    | SEAT MATERIAL | ENP /NO ENP | ND CONNECTIC | BORE | MODEL | SERIAL NO. | ACTUAL CONDITION | MARCH BAL |
|----|-------|---------------|------|--------|-----------------|---------------------------|--------------|---------------|-------------|--------------|------|-------|------------|------------------|-----------|
|    |       |               |      |        | BODY MATERIAL   | BODY MATERIAL DESCRIPTION |              |               |             |              |      |       |            |                  |           |
| 1  | LCM   | *LCV06-51-001 | 6"   | 1500#  | A105N           |                           | F51          | F51+PEEK      | NO ENP      | RTJ          | FB   |       | OK         | 3                |           |
| 2  | LCM   | TBA           | 4"   | 300#   | A350 LF2        |                           | F51          | DEVLON        | NO ENP      | RF           | FB   |       | OK         | 1                |           |
| 3  | LCM   | TBA           | 3"   | 600#   | A350 LF2        |                           | F316         | DEVLON        | NO ENP      | RF           | FB   |       | OK         | 1                |           |
| 4  | LCM   | TBA           | 6"   | 600#   | A350 LF2        |                           | F51          | DEVLON        | NO ENP      | RF           | FB   |       | OK         | 3                |           |
| 5  | LCM   | *LCV03-90-001 | 3"   | 900#   | A351 CF8M F316L |                           | F 316        | PEEK          | NO ENP      | RTJ          | FB   |       | OK         | 1                |           |
| 6  | LCM   | TBA           | 2"   | 300#   | LF2 CL.1        |                           | F316/17-4-PH | F316 + DEVLON | NO ENP      | RF           | FB   |       | OK         | 1                |           |
| 7  | LCM   | *LCV01-15-001 | 1"   | 150#   | A350 LF2        |                           | F316         | DEVLON        | NO ENP      | RF           | FB   |       | OK         | 3                |           |
| 8  | LCM   | *LCV08-60-001 | 8"   | 600#   | A350 LF2        |                           | F51          | F51+DEVLON    | NO ENP      | RF           | FB   |       | OK         | 1                |           |
| 9  | LCM   | *LCV03-30-001 | 3"   | 300#   | A350 LF2        |                           | F316         | DEVLON        | NO ENP      | RF           | FB   |       | OK         | 4                |           |
|    |       |               |      |        |                 |                           |              |               |             |              |      |       |            |                  | 18        |

OTHER BRANDS

| NO | BRAND             | ITEM CODE     | SIZE   | RATING | MATERIAL                       |                           | BALL/STEM                       | SEAT MATERIAL        | ENP/NO ENP | ND CONNECTIC | BORE   | MODEL     | SERIAL NO. | ACTUAL CONDITION | MARCH BAL |
|----|-------------------|---------------|--------|--------|--------------------------------|---------------------------|---------------------------------|----------------------|------------|--------------|--------|-----------|------------|------------------|-----------|
|    |                   |               |        |        | BODY MATERIAL                  | BODY MATERIAL DESCRIPTION |                                 |                      |            |              |        |           |            |                  |           |
| 1  | PBV USA           | *RPV10-60-001 | 10"    | 600#   | A350 LF2                       |                           | A351 CF8M                       | NYLON                | NO ENP     | RF           | FULL   | BALL      |            | OK               | 1         |
| 2  | VALVOLE           | NILL          | 14"    | 900#   | LF2                            |                           | LF2                             | LF2                  | NO ENP     | RTJ          | REDUCE | BALL      |            | OK               | 1         |
| 3  | SHIPHAM           | NILL          | 1.5"   | 150#   | ASTM B148 C95400               |                           | ASTM B150 C63200                | INTEGRAL SEAT        | NO ENP     | FF           | FULL   | GATE      |            | OK               | 4         |
| 4  | SHIPHAM           | NILL          | 4"     | 150#   | ASTM B148 C95800               |                           | DISC / ASTM B150 C63200         | RPTFE                | NO ENP     | FF           | FULL   | BUTTERFLY |            | OK               | 1         |
| 5  | SHIPHAM           | NILL          | 4"     | 150#   | ASTM B148 C95800               |                           | DISC / ASTM B150 C63200         | INTEGRAL SEAT        | NO ENP     | FF           | FULL   | GLOBE     |            | OK               | 1         |
| 6  | SHIPHAM           | NILL          | 2"     | 150#   | UNC C95800                     |                           | UNC C95800                      | DEVLON               | NO ENP     | RF           | REDUCE | BALL      |            | OK               | 1         |
| 7  | SHIPHAM           | NILL          | 2"     | 150#   | ASTM B148 C95400               |                           | ASTM B150 C63200                | INTEGRAL SEAT        | NO ENP     | FF           | FULL   | GATE      |            | OK               | 20        |
| 8  | SHIPHAM           | NILL          | 2"     | 150#   | ASTM B148 C95800               |                           | DISC / ASTM B150 C63200         | INTEGRAL SEAT        | NO ENP     | FF           | FULL   | GLOBE     |            | OK               | 1         |
| 9  | SHIPHAM           | *SHV03-15-001 | 3"     | 150#   | UNC C95800                     |                           | UNC C95800                      | DEVLON               | NO ENP     | RF           | REDUCE | BALL      |            | OK               | 1         |
| 10 | VELAN             | *ATV3Q-15-001 | 3/4"   | 150#   | A351 CF8M                      |                           | A182 SS316                      | PTFE                 | NO ENP     | RF           | FULL   | BALL      |            | OK               | 14        |
| 11 | KITZ              | NILL          | 1/2"   | 150#   | CF8M                           |                           | F316 / 316                      | H-PTFE               | NO ENP     | RF           | REDUCE | BALL      |            | OK               | 3         |
| 12 | KITZ              | NILL          | 1"     | 150#   | WCB                            |                           | SS316 / SS 316                  | H-PTFE               | NO ENP     | RF           | FULL   | BALL      |            | OK               | 1         |
| 13 | KITZ              | NILL          | 3"     | 150#   | WCB                            |                           | SS 316                          | H-PTFE               | NO ENP     | RF           | FULL   | BALL      |            | OK               | 1         |
| 14 | KITZ              | NILL          | 4"     | 150#   | ASTM A216 GR WCB               |                           | ASTM A276TYPE 316               | PTFE                 | NO ENP     | RF           | REDUCE | BALL      |            | OK               | 1         |
| 15 | KEAMY QUICK VALVE | NILL          | 12"    | 900#   | ASTM A350 LF2+INCONEL 625      |                           | F51+ENP                         | F51+DEVLON           | WITH ENP   | RTJ          | FULL   | BALL      |            | OK               | 1         |
| 16 | ZA VERO           | *ZRV18-90-001 | 18"    | 900#   | A350 LF2 + ENP                 |                           | F316 / 17-4PH                   | DEVLON               | WITH ENP   | RF           | REDUCE | BALL      |            | OK               | 1         |
| 17 | ZA VERO           | *ZRV18-90-001 | 18"    | 900#   | A350 LF2 + ENP                 |                           | F316 / 17-4PH                   | DEVLON               | WITH ENP   | RF           | REDUCE | BALL      |            | OK               | 1         |
| 18 | VIAR VALVOLE      | NILL          | 8"     | 150#   | ASTM A105                      |                           | ASTM A182 F316/ASTM A479 S31803 | ASTM A182 F316+RPTFE | NO ENP     | FF           | REDUCE | BALL      |            | OK               | 1         |
| 19 | VIAR VALVOLE      | NILL          | 1/2"   | 150#   | A105N                          |                           | F316L + TCC / XM 19             | F316L + TCC          | NO ENP     | RF           | FULL   | BALL      |            | OK               | 3         |
| 20 | VIAR VALVOLE      | NILL          | 1/2"   | 150#   | LF2                            |                           | F316L / XM 19                   | RPTFE                | NO ENP     | RF           | FULL   | BALL      |            | OK               | 4         |
| 21 | VIAR VALVOLE      | NILL          | 1/2"   | 300#   | F316L                          |                           | F316L / XM 19                   | RPTFE                | NO ENP     | RF           | FULL   | BALL      |            | OK               | 2         |
| 22 | VIAR VALVOLE      | NILL          | 3/4"   | 150#   | A105N A6641                    |                           | F316L / F51                     | F316L + RPTFE        | NO ENP     | RF           | REDUCE | BALL      |            | OK               | 2         |
| 23 | VIAR VALVOLE      | NILL          | 3/4"   | 150#   | A105N                          |                           | F316L / XM 19                   | RPTFE                | NO ENP     | RF           | REDUCE | BALL      |            | OK               | 1         |
| 24 | VIAR VALVOLE      | NILL          | 3/4"   | 150#   | F316L                          |                           | F316L / XM 19                   | RPTFE                | NO ENP     | RF           | REDUCE | BALL      |            | OK               | 1         |
| 25 | VIAR VALVOLE      | NILL          | 3/4"   | 150#   | F316L                          |                           | F316L / XM 19                   | KEL-F                | NO ENP     | RF           | REDUCE | BALL      |            | OK               | 1         |
| 26 | VIAR VALVOLE      | NILL          | 3/4"   | 600#   | LF2                            |                           | F316L / XM 19                   | RPTFE                | NO ENP     | RF           | REDUCE | BALL      |            | OK               | 6         |
| 27 | VIAR VALVOLE      | NILL          | 3/4"   | 600#   | A105N                          |                           | F316L / XM 19                   | RPTFE                | NO ENP     | RF           | REDUCE | BALL      |            | OK               | 7         |
| 28 | VIAR VALVOLE      | NILL          | 3/4"   | 600#   | F316L                          |                           | F316L / XM 19                   | KEL-F                | NO ENP     | RF           | REDUCE | BALL      |            | OK               | 26        |
| 29 | VIAR VALVOLE      | NILL          | 1"     | 150#   | A105N                          |                           | F316L / XM 19                   | RPTFE                | NO ENP     | RF           | REDUCE | BALL      |            | OK               | 1         |
| 30 | VIAR VALVOLE      | NILL          | 1 1/2" | 150#   | F316L                          |                           | F316L / XM 19                   | RPTFE                | NO ENP     | RF           | FULL   | BALL      |            | OK               | 1         |
| 31 | VIAR VALVOLE      | NILL          | 1 1/2" | 150#   | F316L                          |                           | F316L + TCC/XM 19               | F316L + TCC          | NO ENP     | RF           | REDUCE | BALL      |            | OK               | 1         |
| 32 | VIAR VALVOLE      | NILL          | 2"     | 1500#  | LF2                            |                           | F51 / 17-4 PH                   | F51                  | NO ENP     | RTJ          | REDUCE | BALL      |            | OK               | 1         |
| 33 | VIAR VALVOLE      | NILL          | 4"     | 1500#  | LF2                            |                           | F51 / 17-4 PH                   | F51                  | NO ENP     | RTJ          | REDUCE | BALL      |            | OK               | 1         |
| 34 | VIAR VALVOLE      | NILL          | 6"     | 1500#  | LF2                            |                           | F51 / 17-4 PH                   | F51                  | NO ENP     | RTJ          | REDUCE | BALL      |            | OK               | 1         |
| 35 | VIAR VALVOLE      | NILL          | 12"    | 600#   | A105N                          |                           | F316 / 17-4PH                   | DEVLON               | NO ENP     | RF           | REDUCE | BALL      |            | OK               | 1         |
| 36 | VIAR VALVOLE      | NILL          | 12"    | 150#   | A105N                          |                           | F316 / 17-4PH                   | PEEK                 | NO ENP     | RF           | REDUCE | BALL      |            | OK               | 3         |
| 37 | SFEROVA           | NILL          | 6"     | 300#   | ASTM A350 LF2 LOW TEMP C/STEEL |                           | ASTM A182 F316/AISI A182 316 SS | DELNIN (POM)         | NO ENP     | RF           | FULL   | BALL      |            | OK               | 1         |

NEW KUKA VALVE

| NO | BRAND    | ITEM CODE     | SIZE   | RATING | MATERIAL      |   | BALL/STEM            | SEAT MATERIAL | ENP/NO ENP | ND CONNECTIC | BORE | MODEL            | SERIAL NO. | ACTUAL CONDITION | MARCH BAL |
|----|----------|---------------|--------|--------|---------------|---|----------------------|---------------|------------|--------------|------|------------------|------------|------------------|-----------|
|    |          |               |        |        | BODY MATERIAL | BODY MATERIAL DESCRIPTION                     |                      |               |            |              |      |                  |            |                  |           |
| 1  | NEW KUKA | *KKV01-15-013 | 1"     | 150#   | A352 LCC      | Low Temperature Carbon Steel -Casting         | A351 CF8M / A564-630 | RTFE          | NO ENP     | RF           | FULL | CBA 15 LE 025 LN | BN         | OK               | 15        |
| 2  | NEW KUKA | TBA           | 1"     | 300#   | A352 LCC      | Low Temperature Carbon Steel -Casting         | A351 CF8M / A564-630 | RTFE          | NO ENP     | RF           | FULL | CBA 30 LE 025 LN | BN         | OK               | 17        |
| 3  | NEW KUKA | TBA           | 1"     | 600#   | A890-4A       | Mixed microstructure of austenite and ferrite | A182 F51             | DEVLON        | NO ENP     | RF           | FULL | CBA 60 HV 025 LN | BN         | OK               | 3         |
| 4  | NEW KUKA | TBA           | 1"     | 900#   | F51           | Mixed microstructure of austenite and ferrite | F51                  | DEVLON        | NO ENP     | UNMACHINED   | FULL | CBA 90 HV 025 LN | BN         | OK               | 5         |
| 5  | NEW KUKA | *KKV02-60-011 | 2"     | 600#   | A890-4A       | Mixed microstructure of austenite and ferrite | A182 F51             | DEVLON        | NO ENP     | RF           | FULL | CFA 60 HV 050 BN | BN         | OK               | 3         |
| 6  | NEW KUKA | TBA           | 2"     | 900#   | F51           | Duplex  | F51                  | DEVLON        | NO ENP     | UNMACHINED   | FULL | CHA 90 HV 050 BN | BN         | OK               | 3         |
| 7  | NEW KUKA | *KKV03-15-015 | 3"     | 150#   | A352 LCC      | Low Temperature Carbon Steel -Casting         | A351 CF8M / A564-630 | RTFE          | NO ENP     | RF           | FULL | CFA 15 LE 080 BN | BN         | OK               | 8         |
| 8  | NEW KUKA | *KKV03-30-008 | 3"     | 300#   | A352 LCC      | Low Temperature Carbon Steel -Casting         | A351 CF8M / A564-630 | RTFE          | NO ENP     | RF           | FULL | CFA 30 LE 080 BN | BN         | OK               | 2         |
| 9  | NEW KUKA | *KKV03-60-008 | 3"     | 600#   | A890-4A       | Mixed microstructure of austenite and ferrite | A182 F51             | DEVLON        | NO ENP     | RF           | FULL | CFA 60 HV 080 BN | BN         | OK               | 3         |
| 10 | NEW KUKA | *KKV03-90-003 | 3"     | 900#   | F51           | Mixed microstructure of austenite and ferrite | F51                  | DEVLON        | NO ENP     | UNMACHINED   | FULL | CHA 90 HV 080 BN | BN         | OK               | 5         |
| 11 | NEW KUKA | *KKV03-90-012 | 3"     | 900#   | A350 LF2      | Low Temperature Carbon Steel -Casting         | A351 CF8M            | DEVLON        | NO ENP     | UNMACHINED   | FULL | CHA 90 LV 080 BN | BN         | OK               | 3         |
| 12 | NEW KUKA | *KKV04-15-014 | 4"     | 150#   | A352 LCC      | Low Temperature Carbon Steel -Casting         | A351 CF8M / A564-630 | RTFE          | NO ENP     | RF           | FULL | CFA 15 LE 100 BN | BN         | OK               | 6         |
| 13 | NEW KUKA | *KKV04-60-014 | 4"     | 600#   | A890-4A       | Mixed microstructure of austenite and ferrite | A182 F51             | DEVLON        | NO ENP     | RF           | FULL | CFA 60 HV 100 BN | BN         | OK               | 5         |
| 14 | NEW KUKA | *KKV04-90-004 | 4"     | 900#   | F51           | Mixed microstructure of austenite and ferrite | F51                  | DEVLON        | NO ENP     | UNMACHINED   | FULL | CHA 90 HV 100 BN | BN         | OK               | 1         |
| 15 | NEW KUKA | *KKV04-90-007 | 4"     | 900#   | A350 LF2      | Low Temperature Carbon Steel -Casting         | A351 CF8M            | DEVLON        | NO ENP     | UNMACHINED   | FULL | CHA 90 LV 100 BN | BN         | OK               | 4         |
| 16 | NEW KUKA | *KKV06-15-009 | 6"     | 150#   | A352 LCC      | Low Temperature Carbon Steel -Casting         | A351 CF8M / A564-630 | RTFE          | NO ENP     | RF           | FULL | CFA 15 LE 150 BN | BN         | OK               | 6         |
| 17 | NEW KUKA | *KKV06-30-005 | 6"     | 300#   | A352 LCC      | Low Temperature Carbon Steel -Casting         | A351 CF8M / A564-630 | RTFE          | NO ENP     | RF           | FULL | CFA 30 LE 150 BN | BN         | OK               | 5         |
| 18 | NEW KUKA | *KKV08-15-004 | 8"     | 150#   | A352 LCC      | Low Temperature Carbon Steel -Casting         | A351 CF8M / A564-630 | RTFE          | NO ENP     | RF           | FULL | CFA 15 LE 200 BN | BN         | OK               | 7         |
| 19 | NEW KUKA | *KKV08-30-004 | 8"     | 300#   | A352 LCC      | Low Temperature Carbon Steel -Casting         | A351 CF8M / A564-630 | RTFE          | NO ENP     | RF           | FULL | CFA 30 LE 200 BN | BN         | OK               | 9         |
| 20 | NEW KUKA | *KKV08-60-001 | 8"     | 600#   | A352 LCC      | Low Temperature Carbon Steel -Casting         | A351 CF8M / A564-630 | DEVLON        | NO ENP     | RF           | FULL | CFA 60 LV 200 BN | BN         | OK               | 5         |
| 21 | NEW KUKA | *KKV10-30-004 | 10"    | 300#   | A352 LCC      | Low Temperature Carbon Steel -Casting         | A351 CF8M / A564-630 | RTFE          | NO ENP     | RF           | FULL | CFA 30 LE 250 BN | BN         | OK               | 9         |
| 22 | NEW KUKA | *KKV12-15-002 | 12"    | 150#   | A352 LCC      | Low Temperature Carbon Steel -Casting         | A351 CF8M / A564-630 | RTFE          | NO ENP     | RF           | FULL | CFA 15 LE 300 BN | BN         | OK               | 8         |
| 23 | NEW KUKA | TBA           | 1 1/2" | 150#   | A352 LCC      | Low Temperature Carbon Steel -Casting         | A351 CF8M / A564-630 | RTFE          | NO ENP     | RF           | FULL | CBA 15 LE 040 LN | BN         | OK               | 5         |
| 24 | NEW KUKA | TBA           | 1 1/2" | 300#   | A352 LCC      | Low Temperature Carbon Steel -Casting         | A351 CF8M / A564-630 | RTFE          | NO ENP     | RF           | FULL | CBA 30 LE 040 LN | BN         | OK               | 10        |
| 25 | NEW KUKA | *KKV60-60-001 | 1 1/2" | 600#   | A352 LCC      | Low Temperature Carbon Steel -Casting         | A351 CF8M / A564-630 | DEVLON        | NO ENP     | RF           | FULL | CBA 60 LV 040 LN | LN         | OK               | 10        |
| 26 | NEW KUKA | TBA           | 1 1/2" | 600#   | A890-4A       | Mixed microstructure of austenite and ferrite | A182 F51             | DEVLON        | NO ENP     | RF           | FULL | CBA 60 HV 040 LN | BN         | OK               | 5         |
| 27 | NEW KUKA | TBA           | 1 1/2" | 900#   | F51           | Mixed microstructure of austenite and ferrite | F51                  | DEVLON        | NO ENP     | UNMACHINED   | FULL | CBA 90 HV 040 LN | BN         | OK               | 5         |
| 28 | NEW KUKA | *KKV30-15-013 | 3/4"   | 150#   | A352 LCC      | Low Temperature Carbon Steel -Casting         | A351 CF8M / A564-630 | RTFE          | NO ENP     | RF           | FULL | CBA 15 LE 020 LN | BN         | OK               | 4         |
| 29 | NEW KUKA | TBA           | 3/4"   | 300#   | A352 LCC      | Low Temperature Carbon Steel -Casting         | A351 CF8M / A564-630 | RTFE          | NO ENP     | RF           | FULL | CBA 30 LE 020 LN | BN         | OK               | 18        |
| 30 | NEW KUKA | *KKV30-60-003 | 3/4"   | 600#   | A352 LCC      | Low Temperature Carbon Steel -Casting         | A351 CF8M / A564-630 | DEVLON        | NO ENP     | RF           | FULL | CBA 60 LV 020 LN | LN         | OK               | 20        |
| 31 | NEW KUKA | *KKV30-60-002 | 3/4"   | 600#   | A890-4A       | Mixed microstructure of austenite and ferrite | A182 F51             | DEVLON        | NO ENP     | RF           | FULL | CBA 60 LV 020 LN | BN         | OK               | 4         |
| 32 | NEW KUKA | TBA           | 3/4"   | 900#   | F51           | Mixed microstructure of austenite and ferrite | F51                  | DEVLON        | NO ENP     | UNMACHINED   | FULL | CBA 90 HV 020 LN | BN         | OK               | 5         |

| No | Brand / Supplier | Type                       | Diam. | Inch   | Rating | Size x Rating | Face | Body                 | Body Material        | Trim                 | MR      | MESC       | Tag No       | March Balance |
|----|------------------|----------------------------|-------|--------|--------|---------------|------|----------------------|----------------------|----------------------|---------|------------|--------------|---------------|
| 1  | APOLLO           | BALL                       | 50    | 2"     | 150    | 2" X 150#     | RF   | SS                   | CF8M                 | NIL                  | NIL     | NIL        | 87A10814247C | 1             |
| 2  | AUDCO            | GLOBE                      | 50    | 2"     | 150    | 2" X 150#     | RF   | LCC                  | A352-LCB/C, A350-LF2 | NIL                  | 1310.02 | 7720330081 | 540          | 3             |
| 3  | AUDCO            | GATE                       | 50    | 2"     | 300    | 2" X 300#     | RF   | A351-CF8M, A182-F316 | AISI 316L STELLITE-6 | NIL                  | 1310.02 | 7720330581 | 283          | 2             |
| 4  | AUDCO            | GATE                       | 50    | 2"     | 600    | 2" X 600#     | RF   | LF2                  | A352-LCB/C, A350-LF2 | NIL                  | 1310.02 | 7720331081 | 134          | 2             |
| 5  | AUDCO            | GATE                       | 50    | 2"     | 600    | 2" X 600#     | RF   | A351-CF8M, A182-F316 | AISI 316L STELLITE-6 | NIL                  | 1310.02 | 7720331081 | 163          | 2             |
| 6  | AUDCO            | GATE                       | 50    | 2"     | 600    | 2" X 600#     | RF   | LF2                  | A352-LCB/C, A350-LF2 | AISI 316L STELLITE-6 | 1310.02 | NIL        | 128          | 7             |
| 7  | AUDCO            | GATE                       | 80    | 3"     | 300    | 3" x 300#     | RF   | LF2                  | A352-LCB/C, A350-LF2 | AISI 316L STELLITE-6 | 1310.02 | 7720330601 | 525          | 2             |
| 8  | BAVCOS           | DUAL PLATE CHECK WAFER LUG | 50    | 2"     | 600    | 2" X 600#     | RF   | SS                   | A351-CF8M, A182-F316 | AISI 316L STELLITE-6 | 1310.06 | 7768561081 | 755          | 1             |
| 9  | BAVCOS           | DUAL PLATE CHECK WAFER LUG | 80    | 3"     | 150    | 3" x 150#     | RF   | LF2                  | A352-LCB/C, A350-LF2 | AISI 316L STELLITE-6 | 1310.06 | 7767520101 | 641          | 1             |
| 10 | BAVCOS           | DUAL PLATE CHECK WAFER LUG | 80    | 3"     | 150    | 3" X 150#     | RF   | SS                   | A351-CF8M, A182-F316 | AISI 316L STELLITE-6 | 1310.06 | 7768560101 | 733          | 1             |
| 11 | BAVCOS           | DUAL PLATE CHECK WAFER LUG | 80    | 3"     | 300    | 3" x 300#     | RF   | LF2                  | A352-LCB/C, A350-LF2 | AISI 316L STELLITE-6 | 1310.06 | 7767520601 | 2360         | 1             |
| 12 | BAVCOS           | DUAL PLATE CHECK WAFER LUG | 100   | 4"     | 300    | 4" x 300#     | RF   | LF2                  | A352-LCB/C, A350-LF2 | AISI 316L STELLITE-6 | 1310.06 | 7767520621 | 576          | 8             |
| 13 | BAVCOS           | DUAL PLATE CHECK WAFER LUG | 150   | 6"     | 150    | 6" x 150#     | RF   | LF2                  | A352-LCB/C, A350-LF2 | AISI 316L STELLITE-6 | 1310.06 | 7767520141 | 3410         | 1             |
| 14 | BAVCOS           | DUAL PLATE CHECK WAFER LUG | 200   | 8"     | 300    | 8" x 150#     | RF   | LF2                  | A352-LCB/C, A350-LF2 | AISI 316L STELLITE-6 | 1310.06 | 7767520651 | 631          | 2             |
| 15 | BONNEY FORGE     | GATE                       | 40    | 1 1/2" | 150    | 1 1/2" x 150# | RF   | SS                   | A351-CF8M, A182-F316 | AISI 316L STELLITE-6 | 1310.01 | 7723030071 | 4493         | 5             |
| 16 | BONNEY FORGE     | GATE                       | 40    | 1 1/2" | 300    | 1 1/2" x 300# | RF   | LF2                  | A352-LCB/C, A350-LF2 | AISI 316L STELLITE-6 | 1310.01 | 7720330571 | 2474         | 5             |
| 17 | BONNEY FORGE     | GATE                       | 15    | 1/2"   | 600    | 1/2" X 600#   | RF   | LF2                  | A352-LCB/C, A350-LF2 | AISI 316L STELLITE-6 | 1310.01 | 7710331031 | 3478         | 11            |
| 18 | BONNEY FORGE     | GATE                       | 40    | 1 1/2" | 600    | 1 1/2" x 600# | RF   | LF2                  | A352-LCB/C, A350-LF2 | AISI 316L STELLITE-6 | 1310.01 | 7720331071 | 3479         | 3             |
| 19 | BONNEY FORGE     | GATE                       | 40    | 1 1/2" | 600    | 1 1/2" x 600# | RF   | SS                   | A351-CF8M, A182-F316 | AISI 316L STELLITE-6 | 1310.01 | 7723031071 | 4180         | 6             |
| 20 | BONNEY FORGE     | GATE                       | 40    | 1 1/2" | 600    | 1 1/2" x 600# | RF   | SS                   | A351-CF8M, A182-F316 | AISI 316L STELLITE-6 | 1310.01 | 7723051071 | 4497         | 1             |
| 21 | BONNEY FORGE     | GLOBE                      | 40    | 1 1/2" | 600    | 1 1/2" x 600# | RF   | LF2                  | A352-LCB/C, A350-LF2 | AISI 316L STELLITE-6 | NIL     | 7720331071 | 2124         | 2             |
| 22 | BONNEY FORGE     | CHECK, PISTON LIFT         | 25    | 1"     | 150    | 1" x 150#     | RF   | SS                   | A351-CF8M, A182-F316 | AISI 316L STELLITE-6 | 1310.01 | 7713030051 | 684          | 5             |
| 23 | BONNEY FORGE     | GATE                       | 15    | 1/2"   | 600    | 1/2" X 600#   | RF   | LF2                  | A352-LCB/C, A350-LF2 | AISI 316L STELLITE-6 | 1310.01 | 7713030051 | 3477         | 5             |
| 24 | BONNEY FORGE     | GLOBE                      | 25    | 1"     | 150    | 1" x 150#     | RF   | SS                   | A351-CF8M, A182-F316 | AISI 316L STELLITE-6 | 1310.01 | 7723030051 | 2626         | 1             |
| 25 | BONNEY FORGE     | CHECK, PISTON LIFT         | 25    | 1"     | 300    | 1" x 300#     | RF   | LF2                  | A352-LCB/C, A350-LF2 | AISI 316L STELLITE-6 | 1310.01 | 7710330551 | 2475         | 4             |
| 26 | BONNEY FORGE     | GATE                       | 25    | 1"     | 300    | 1" x 300#     | RF   | SS                   | A351-CF8M, A182-F316 | AISI 316L STELLITE-6 | 1310.01 | 7723030551 | 678          | 13            |
| 27 | BONNEY FORGE     | GATE                       | 25    | 1"     | 300    | 1" x 300#     | RF   | LF2                  | A352-LCB/C, A350-LF2 | AISI 316L STELLITE-6 | 1310.01 | 7720330551 | 585          | 22            |
| 28 | BONNEY FORGE     | GATE                       | 25    | 1"     | 300    | 1" x 300#     | RF   | SS                   | A351-CF8M, A182-F316 | AISI 316L STELLITE-6 | 1310.01 | 7723050551 | 3784         | 1             |
| 29 | BONNEY FORGE     | GATE                       | 25    | 1"     | 300    | 1" x 300#     | RF   | LF2                  | A352-LCB/C, A350-LF2 | AISI 316L STELLITE-6 | 1310.01 | 7720330051 | 3739         | 4             |
| 30 | BONNEY FORGE     | GATE                       | 25    | 1"     | 300    | 1" x 300#     | RF   | SS                   | A351-CF8M, A182-F316 | AISI 316L STELLITE-6 | 1310.01 | 7723030051 | 3786         | 2             |
| 31 | BONNEY FORGE     | GLOBE                      | 25    | 1"     | 300    | 1" x 300#     | RF   | LF2                  | A352-LCB/C, A350-LF2 | AISI 316L STELLITE-6 | 1310.01 | 7720330551 | 602          | 3             |
| 32 | BONNEY FORGE     | CHECK, PISTON LIFT         | 25    | 1"     | 600    | 1" x 600#     | RF   | SS                   | A351-CF8M, A182-F316 | AISI 316L STELLITE-6 | 1310.01 | 7713191051 | 5175         | 1             |
| 33 | BONNEY FORGE     | GATE                       | 25    | 1"     | 600    | 1" x 600#     | RF   | LF2                  | A352-LCB/C, A350-LF2 | AISI 316L STELLITE-6 | 1310.01 | 7720331051 | 3476         | 7             |

VALSER ENGINEERING & SERVICES SDN BHD  
VALSER STOCK LIST (OTWAY VALVES)  
MARCH (2017)



| Bil | Brand / Supplier | Type               | Diam. | Inch   | Rating | Size x Rating | Face | Body  | Body Material           | Trim                       | MR      | MESC       | Tag No       | March Balance |
|-----|------------------|--------------------|-------|--------|--------|---------------|------|-------|-------------------------|----------------------------|---------|------------|--------------|---------------|
| 34  | BONNEY FORGE     | GATE               | 25    | 1"     | 600    | 1" x 600#     | RF   | SS    | A351-CF8M, A182-F316    | AISI 316L STELLITE-6       | 1310.01 | 7723031051 | 200          | 10            |
| 35  | BONNEY FORGE     | GATE               | 25    | 1"     | 600    | 1" x 600#     | RF   | SS    | A351-CF8M, A182-F316    | AISI 316L STELLITE-6       | 1310.01 | 7723051051 | 227          | 4             |
| 36  | BONNEY FORGE     | GLOBE              | 25    | 1"     | 600    | 1" x 600#     | RF   | SS    | A351-CF8M, A182-F316    | AISI 316L STELLITE-6       | 1310.01 | 7733051051 | 228          | 1             |
| 37  | BONNEY FORGE     | GLOBE              | 25    | 1"     | 600    | 1" x 600#     | RF   | F316L | A351-CF8M, A182-F316    | AISI 316L STELLITE-6       | 1310.01 | 7733031051 | 381          | 1             |
| 38  | BONNEY FORGE     | GATE               | 25    | 1"     | 1500   | 1" x 1500#    | RF   | SS    | A351-CF8M, A182-F316    | AISI 316L STELLITE-6       | 1310.01 | 7723032051 | 2929         | 4             |
| 39  | BONNEY FORGE     | GATE               | 15    | 1/2"   | 150    | 1/2" X 150#   | RF   | SS    | A351-CF8M, A182-F316    | AISI 316L STELLITE-6       | 1310.01 | 7723030031 | 2687         | 1             |
| 40  | BONNEY FORGE     | GLOBE              | 15    | 1/2"   | 150    | 1/2" X 150#   | RF   | SS    | A351-CF8M, A182-F316    | AISI 316L STELLITE-6       | 1310.01 | 7733030031 | 5167         | 2             |
| 41  | BONNEY FORGE     | GLOBE              | 15    | 1/2"   | 300    | 1/2" X 300#   | RF   | LF2   | A352-LCB/C, A350-LF2    | AISI 316L STELLITE-6       | 1310.01 | 7730330531 | 5166         | 2             |
| 42  | BONNEY FORGE     | GLOBE              | 15    | 1/2"   | 600    | 1/2" X 600#   | RF   | SS    | A351-CF8M, A182-F316    | AISI 316L STELLITE-6       | 1310.01 | 7733051031 | 5171         | 1             |
| 43  | BONNEY FORGE     | CHECK, PISTON LIFT | 25    | 1"     | 600    | 1" x 600#     | RF   | LF2   | A352-LCB/C, A350-LF2    | AISI 316L STELLITE-6       | 1310.01 | 7710331051 | 5172         | 8             |
| 44  | BONNEY FORGE     | CHECK, PISTON LIFT | 25    | 1"     | 600    | 1" x 600#     | RF   | SS    | A351-CF8M, A182-F316    | AISI 316L STELLITE-6       | 1310.01 | 7713031051 | 5173         | 3             |
| 45  | BONNEY FORGE     | GLOBE              | 15    | 1/2"   | 600    | 1" X 600#     | RF   | SS    | A351-CF8M, A182-F316    | AISI 316L STELLITE-6       | 1310.01 | 7733031031 | 5169         | 1             |
| 46  | BONNEY FORGE     | CHECK, PISTON LIFT | 15    | 1/2"   | 600    | 1/2" X 600#   | RF   | SS    | A351-CF8M, A182-F316    | AISI 316L STELLITE-6       | 1310.01 | 7713031031 | 352          | 11            |
| 47  | BONNEY FORGE     | GATE               | 15    | 1/2"   | 600    | 1/2" X 600#   | RF   | SS    | A351-CF8M, A182-F316    | AISI 316L STELLITE-6       | 1310.01 | 7723051031 | 2008         | 6             |
| 48  | BONNEY FORGE     | CHECK, PISTON LIFT | 15    | 1/2"   | 1500   | 1/2" X 1500#  | RF   | SS    | A351-CF8M, A182-F316    | AISI 316L STELLITE-6       | 1310.01 | 7713032031 | 1111         | 1             |
| 49  | BONNEY FORGE     | CHECK, PISTON LIFT | 15    | 1/2"   | 150    | 1/2" X 150#   | RF   | SS    | A351-CF8M, A182-F316    | AISI 316L STELLITE-6       | 1310.01 | 7713030031 | 832          | 3             |
| 50  | BONNEY FORGE     | CHECK, PISTON LIFT | 15    | 1/2"   | 300    | 1/2" X 300#   | RF   | SS    | A351-CF8M, A182-F316    | AISI 316L STELLITE-6       | 1310.01 | 7713030531 | 1106         | 2             |
| 51  | BONNEY FORGE     | CHECK, PISTON LIFT | 20    | 3/4"   | 150    | 3/4" X 150    | RF   | SS    | A351-CF8M, A182-F316    | AISI 316L STELLITE-6       | 1310.01 | 7713030041 | 5380         | 1             |
| 52  | BONNEY FORGE     | GATE               | 15    | 1/2"   | 1500   | 1/2" X 1500#  | RF   | SS    | A351-CF8M, A182-F316    | AISI 316L STELLITE-6       | 1310.01 | 7723032031 | 2719         | 7             |
| 53  | BONNEY FORGE     | GATE               | 20    | 3/4"   | 150    | 3/4" x 150#   | RF   | LF2   | A352-LCB/C, A350-LF2    | AISI 316L STELLITE-6       | 1310.01 | 7720330041 | 613          | 3             |
| 54  | BONNEY FORGE     | GATE               | 20    | 3/4"   | 150    | 3/4" x 150#   | FF   | CS    | ASTM A216-WCB/WCC, A105 | AISI 410                   | 1310.01 | 7720210041 | 3787         | 1             |
| 55  | BONNEY FORGE     | GLOBE              | 20    | 3/4"   | 150    | 3/4" x 150#   | RF   | SS    | A351-CF8M, A182-F316    | AISI 316L STELLITE-6       | 1310.01 | 7733030041 | 5379         | 1             |
| 56  | BONNEY FORGE     | GATE               | 20    | 3/4"   | 300    | 3/4" x 300#   | RF   | LF2   | A352-LCB/C, A350-LF2    | AISI 316L STELLITE-6       | 1310.01 | 7720330541 | 597          | 4             |
| 57  | BONNEY FORGE     | CHECK, PISTON LIFT | 20    | 3/4"   | 600    | 3/4" x 600#   | RF   | SS    | A351-CF8M, A182-F316    | AISI 316L STELLITE-6       | 1310.01 | 7713031041 | 5342         | 1             |
| 58  | BONNEY FORGE     | GATE               | 20    | 3/4"   | 600    | 3/4" x 600#   | RF   | SS    | A351-CF8M, A182-F316    | AISI 316L STELLITE-6       | 1310.01 | 7723051041 | 893          | 1             |
| 59  | BONNEY FORGE     | GLOBE              | 20    | 3/4"   | 600    | 3/4" x 600#   | RF   | LF2   | A352-LCB/C, A350-LF2    | AISI 316L STELLITE-6       | 1310.01 | 7730331041 | 3467         | 1             |
| 60  | BONNEY FORGE     | CHECK, PISTON LIFT | 20    | 3/4"   | 1500   | 3/4" X 1500#  | RF   | SS    | A351-CF8M, A182-F316    | AISI 316L STELLITE-6       | 1310.01 | 7713032041 | 5337         | 1             |
| 61  | BONNEY FORGE     | GATE               | 20    | 3/4"   | 1500   | 3/4" x 1500#  | RF   | SS    | A351-CF8M, A182-F316    | AISI 316L STELLITE-6       | 1310.01 | 7723032041 | 2864         | 1             |
| 62  | BONNEY FORGE     | GATE               | 25    | 1"     | 150#   | 1" X 150#     | NIL  | LF2   | LF2N                    | STEM F316 / DISC F316L     | NIL     | NILL       | 619          | 1             |
| 63  | BONNEY FORGE     | BALL VALVE         | 50    | 2"     | 600#   | 2" X 600#     | RF   | SS    | ASTM A182 F316L         | F316L                      | NIL     | NILL       | NILL         | 1             |
| 64  | BOPP & REUTHER   | SRV                | 40    | 1 1/2" | 300    | 1 1/2" x 300# | RF   | SS    | A351-CF8M, A182-F316    | NIL                        | NIL     | NIL        | PSV444RV-001 | 1             |
| 65  | CRANE            | GATE VALVE         | 25    | 1"     | 150    | 1" x 150#     | RF   | F316  | F316                    | TBA                        | NIL     | NIL        | 98           | 2             |
| 66  | CRANE            | GLOBE              | 50    | 2"     | 150    | 2" X 150#     | RF   | LCB   | LCB                     | SEAT HF/STEM DISC 316SS    | NIL     | NIL        | 540          | 1             |
| 67  | CRANE            | GLOBE              | 15    | 1/2"   | 150    | 1/2" X 150#   | RF   | SS    | A351-CF8M, A182-F316    | AISI 316L STELLITE-6       | 1310.01 | 7733030031 | 5167         | 1             |
| 68  | DAFRAM           | BALL RB            | 40    | 1 1/2" | 150    | 1 1/2" x 150# | RF   | LF2   | A352-LCB/C, A350-LF2    | AISI 316L PTFE LEVER       | 1310.03 | 7700330071 | 4148         | 2             |
| 69  | DAFRAM           | BALL RB            | 40    | 1 1/2" | 600    | 1 1/2" x 600# | RF   | LF2   | A352-LCB/C, A350-LF2    | AISI 316 NYLON SEAT, LEVER | 1310.03 | 7700302079 | 2123         | 5             |
| 70  | DAFRAM           | BALL RB            | 25    | 1"     | 150    | 1" x 150#     | RF   | LF2   | A352-LCB/C, A350-LF2    | AISI 316L PTFE LEVER       | 1310.03 | 7700330051 | 837          | 2             |
| 71  | DAFRAM           | BALL RB            | 25    | 1"     | 150    | 1" x 150#     | RF   | SS    | A351-CF8M, A182-F316    | AISI 316L PTFE LEVER       | 1310.03 | 7703030051 | 989          | 1             |
| 72  | DAFRAM           | BALL RB            | 50    | 2"     | 150    | 2" X 150#     | RF   | SS    | A351-CF8M, A182-F316    | AISI 316L PTFE LEVER       | 1310.03 | 7703030081 | 990          | 1             |
| 73  | DAFRAM           | BALL RB            | 25    | 1"     | 150    | 1" x 150#     | FF   | SS    | A351-CF8M, A182-F316    | AISI 316L PTFE LEVER       | 1310.03 | 7703030059 | 5174         | 2             |
| 74  | DAFRAM           | BALL RB            | 25    | 1"     | 300    | 1" x 300#     | RF   | LF2   | A352-LCB/C, A350-LF2    | AISI 316L PTFE LEVER       | 1310.03 | 7700331051 | 2786         | 9             |
| 75  | DAFRAM           | BALL RB            | 25    | 1"     | 300    | 1" x 300#     | RF   | SS    | A351-CF8M, A182-F316    | AISI 316L PTFE LEVER       | 1310.03 | 7703031051 | 3589         | 10            |
| 76  | DAFRAM           | BALL RB            | 25    | 1"     | 600    | 1" x 600#     | RF   | LF2   | A350-LF2                | AISI 316 NYLON SEAT, LEVER | 1310.03 | 7700302059 | 1139         | 20            |
| 77  | DAFRAM           | BALL RB            | 15    | 1/2"   | 150    | 1/2" X 150#   | RF   | SS    | A351-CF8M, A182-F316    | AISI 316L PTFE LEVER       | 1310.03 | 7703030031 | 831          | 5             |
| 78  | DAFRAM           | BALL RB            | 15    | 1/2"   | 150    | 1/2" X 150#   | RF   | LF2   | A352-LCB/C, A350-LF2    | AISI 316L PTFE LEVER       | 1310.03 | 7700330031 | 995          | 4             |
| 79  | DAFRAM           | BALL RB            | 15    | 1/2"   | 300    | 1/2" X 300#   | RF   | SS    | A351-CF8M, A182-F316    | AISI 316L PTFE LEVER       | 1310.03 | 7703031031 | 3018         | 15            |
| 80  | DAFRAM           | BALL RB            | 15    | 1/2"   | 600    | 1/2" X 600#   | RF   | SS    | A351-CF8M, A182-F316    | AISI 316L NYLON LEVER      | 1310.03 | 7703032039 | 1027         | 3             |
| 81  | DAFRAM           | BALL RB            | 15    | 1/2"   | 1500   | 3/4" X 600#   | RF   | SS    | A351-CF8M, A182-F316    | AISI 316L NYLON LEVER      | 1310.03 | 7703033039 | 1112         | 4             |
| 82  | DAFRAM           | BALL RB            | 15    | 1/2"   | 1500   | 1/2" X 1500#  | RF   | LF2   | A350-LF2                | AISI 316 NYLON SEAT, LEVER | 1310.03 | 7700303039 | 3468         | 3             |
| 83  | DAFRAM           | BALL RB            | 20    | 3/4"   | 150    | 3/4" x 150#   | RF   | LF2   | A352-LCB/C, A350-LF2    | AISI 316L PTFE LEVER       | 1310.03 | 7700330041 | 1142         | 2             |

VALSER ENGINEERING & SERVICES SDN BHD  
VALSER STOCK LIST (OTWAY VALVES)  
MARCH (2017)



| Bil | Brand / Supplier  | Type                    | Diam. | Inch   | Rating | Size x Rating | Face | Body                 | Body Material        | Trim                       | MR      | MESC               | Tag No | March Balance |
|-----|-------------------|-------------------------|-------|--------|--------|---------------|------|----------------------|----------------------|----------------------------|---------|--------------------|--------|---------------|
| 84  | DAFRAM            | BALL RB                 | 20    | 3/4"   | 600    | 3/4" x 600#   | RF   | LF2                  | A350-LF2             | AISI 316 NYLON SEAT, LEVER | 1310.03 | 7700302049         | 1052   | 5             |
| 85  | DOUGLAS CHERO     | GATE VALVE              | 20    | 3/4"   | 600    | 3/4" x 600#   | RF   | F316                 | F316/F316ST          | TBA                        | NIL     | NIL                | NIL    | 5             |
| 86  | FCX AUSTRALIA     | GATE VALVE              | 20    | 3/4"   | 300    | 3/4" x 300#   | RF   | F316                 | F316L/H.F            | TBA                        | NIL     | NIL                | NIL    | 2             |
| 87  | HYUNDAI           | GATE                    | 40    | 1 1/2" | 800    | 1 1/2" x 800# | RF   | CS                   | A105N                | NIL                        | NIL     | NIL                | NIL    | 1             |
| 88  | HYUNDAI           | GATE                    | 20    | 3/4"   | 800    | 3/4" x 800#   | RF   | CS                   | A105N                | NIL                        | NIL     | NIL                | NIL    | 2             |
| 89  | KITZ              | BALL                    | 15    | 1/2"   | 150    | 1/2" X 150#   | RF   | SS                   | FIG 150SCT ACIM-ES®  | NIL                        | NIL     | NIL                | NIL    | 1             |
| 90  | KOROSI SPENCINDO  | DBB                     | 40    | 1 1/2" | 300    | 1 1/2" x 300# | RF   | SS                   | A351-CF8M, A182-F316 | NILL                       | NIL     | NIL                | 6068   | 1             |
| 91  | KOROSI SPENCINDO  | DBB                     | 15    | 1/2"   | 150    | 1/2" X 150#   | RF   | SS                   | A351-CF8M, A182-F316 | NILL                       | NIL     | NIL                | 4831   | 1             |
| 92  | KOROSI SPENCINDO  | DBB                     | 50    | 2"     | 300    | 2" X 150#     | RF   | LF2                  | A350-LF2             | TBA                        | NIL     | NIL                | 1207   | 3             |
| 93  | KOROSI SPENCINDO  | DBB                     | 20    | 3/4"   | 1500   | 3/4" x 1500#  | RF   | LF2                  | A350-LF2             | TBA                        | NIL     | NIL                | 1012   | 1             |
| 94  | KVC               | GLOBE                   | 20    | 3/4"   | 800    | 3/4" x 800#   | RF   | A105N                | A105N                | HF / CR13                  | NIL     | NIL                | NIL    | 1             |
| 95  | KVC               | GATE VALVE              | 20    | 3/4"   | 300    | 3/4" x 300#   | RF   | A105N                | A105N/316/H.F        | TBA                        | NIL     | NIL                | NIL    | 2             |
| 96  | KVC               | GATE VALVE              | 25    | 1"     | 300    | 1" x 300#     | RF   | SS                   | A105N/316/H.F        | TBA                        | NIL     | NIL                | 4953   | 1             |
| 97  | KVC               | GATE VALVE              | 50    | 2"     | 150    | 2" x 150#     | RF   | A105N                | A105N / EJ7 DR4      | TBA                        | NIL     | NIL                | NIL    | 3             |
| 98  | OLIVER            | DBB                     | 40    | 1 1/2" | 150    | 1 1/2" x 150# | FF   | SS                   | A351-CF8M, A182-F316 | AISI 316                   | 1310.07 | 386SP002 - SPECIAL | 4862   | 1             |
| 99  | OLIVER            | DBB                     | 40    | 1 1/2" | 150    | 1 1/2" x 150# | RF   | LF2                  | TBA                  | TBA                        | NIL     | NIL                | 4848   | 1             |
| 100 | OLIVER            | DBB / MONOFLANGE NEEDLE | 15    | 1/2"   | 150    | 1/2" X 150#   | RF   | SS                   | A351-CF8M, A182-F316 | AISI 316                   | 1310.07 | 7733910131         | 3371   | 8             |
| 101 | OLIVER            | DBB / MONOFLANGE NEEDLE | 15    | 1/2"   | 150    | 1/2" X 150#   | RF   | LF2                  | A352-LCB/C, A350-LF2 | AISI 316                   | 1310.07 | 7733910139         | 3374   | 11            |
| 102 | OLIVER            | DBB / MONOFLANGE NEEDLE | 15    | 1/2"   | 300    | 1/2" X 300#   | RF   | SS                   | A351-CF8M, A182-F316 | AISI 316                   | 1310.07 | 7733910231         | 1205   | 1             |
| 103 | OLIVER            | DBB / MONOFLANGE NEEDLE | 15    | 1/2"   | 300    | 1/2" X 300#   | RF   | LF2                  | A352-LCC, A350-LF2   | AISI 316                   | 1310.07 | 7733910239         | 1086   | 30            |
| 104 | OLIVER            | DBB / MONOFLANGE NEEDLE | 15    | 1/2"   | 600    | 1/2" X 600#   | RF   | SS                   | A351-CF8M, A182-F316 | AISI 316                   | 1310.07 | 7733910331         | 1028   | 0             |
| 105 | OLIVER            | DBB / MONOFLANGE NEEDLE | 15    | 1/2"   | 1500   | 1/2" X 1500#  | RF   | LF2                  | A352-LCC, A350-LF2   | AISI 316                   | 1310.07 | 7733910439         | 1054   | 1             |
| 106 | OLIVER            | DBB / MONOFLANGE NEEDLE | 15    | 1/2"   | 1500   | 1/2" X 1500#  | RF   | SS                   | A351-CF8M, A182-F316 | AISI 316                   | 1310.07 | 7733910431         | 3372   | 5             |
| 107 | OLIVER            | DBB                     | 50    | 2"     | 150    | 2" X 150#     | RF   | A351-CF8M, A182-F316 | AISI 316             | NIL                        | 1310.07 | 7785475089         | 2422   | 6             |
| 108 | OLIVER            | DBB                     | 50    | 2"     | 150    | 2" X 150#     | RF   | LF2                  | A352-LCC, A350-LF2   | AISI 316                   | 1310.07 | 7785470081         | 1016   | 2             |
| 109 | OLIVER            | DBB                     | 50    | 2"     | 150    | 2" X 150#     | RF   | LF2                  | ASTM A350 LF2        | S31600                     | 1310.07 | 7785470089         | 1017   | 6             |
| 110 | OLIVER            | DBB                     | 50    | 2"     | 150    | 2" X 150#     | RF   | SS                   | A351-CF8M, A182-F316 | AISI 316                   | 1310.07 | 7785475081         | 1021   | 3             |
| 111 | OLIVER            | DBB                     | 50    | 2"     | 300    | 2" X 300#     | RF   | LF2                  | A352-LCC, A350-LF2   | AISI 316                   | 1310.07 | 7785470281         | 1207   | 2             |
| 112 | OLIVER            | DBB                     | 50    | 2"     | 300    | 2" X 300#     | RF   | SS                   | A351-CF8M, A182-F316 | AISI 316                   | 1310.07 | 7785475281         | 1018   | 20            |
| 113 | OLIVER            | DBB / MONOFLANGE NEEDLE | 50    | 2"     | 300    | 2" X 300#     | RF   | LF2                  | A352-LCB/C, A350-LF2 | AISI 316                   | 1310.07 | 7733910289         | 2754   | 2             |
| 114 | OLIVER            | DBB                     | 50    | 2"     | 600    | 2" X 600#     | RF   | LF2                  | ASTM A350 LF2        | S31600                     | NIL     | 7785470089         | 1023   | 10            |
| 115 | OLIVER            | DBB / MONOFLANGE NEEDLE | 50    | 2"     | 600    | 2" X 600#     | RF   | LF2                  | A352-LCC, A350-LF2   | AISI 316                   | 1310.07 | 7733910339         | 1029   | 16            |
| 116 | OLIVER            | DBB / MONOFLANGE NEEDLE | 50    | 2"     | 1500   | 2" X 1500#    | RF   | LF2                  | A352-LCC, A350-LF2   | AISI 316                   | 1310.07 | 7785470641         | 1022   | 1             |
| 117 | OLIVER            | DBB / MONOFLANGE NEEDLE | 50    | 2"     | 1500   | 2" X 1500#    | RF   | LF2                  | A352-LCC, A350-LF2   | AISI 316                   | 1310.07 | 7785470641         | 1012   | 7             |
| 118 | OLIVER            | DBB / MONOFLANGE NEEDLE | 20    | 3/4"   | 150    | 3/4" x 150#   | RF   | SS                   | A351-CF8M, A182-F316 | AISI 316                   | 1310.07 | 7733910141         | 1254   | 2             |
| 119 | OLIVER            | DBB / MONOFLANGE NEEDLE | 20    | 3/4"   | 150    | 3/4" X 150#   | RF   | LF2                  | A352-LCC, A350-LF2   | AISI 316                   | 1310.07 | 7785470041         | 1233   | 1             |
| 120 | OLIVER            | DBB / MONOFLANGE NEEDLE | 20    | 3/4"   | 150    | 3/4" x 150#   | FF   | SS                   | A351-CF8M, A182-F316 | AISI 316                   | 1310.07 | 7733910169         | 4929   | 3             |
| 121 | OLIVER            | DBB / MONOFLANGE NEEDLE | 20    | 3/4"   | 300    | 3/4" x 300#   | RF   | SS                   | A351-CF8M, A182-F316 | AISI 316                   | 1310.07 | 7733910241         | 1249   | 1             |
| 122 | OLIVER            | DBB / MONOFLANGE NEEDLE | 20    | 3/4"   | 300    | 3/4" x 300#   | RF   | LF2                  | A352-LCC, A350-LF2   | AISI 316                   | 1310.07 | 7733910249         | 1230   | 3             |
| 123 | OLIVER            | DBB / MONOFLANGE NEEDLE | 20    | 3/4"   | 600    | 3/4" x 600#   | RF   | LF2                  | A352-LCC, A350-LF2   | AISI 316                   | 1310.07 | 7733910349         | 1053   | 3             |
| 124 | OLIVER            | DBB / MONOFLANGE NEEDLE | 20    | 3/4"   | 600    | 3/4" x 600#   | RF   | SS                   | ASTM A182 F316       | S31600                     | 1310.07 | 7785475481         | 1020   | 5             |
| 125 | OLIVER            | DBB / MONOFLANGE NEEDLE | 20    | 3/4"   | 1500   | 3/4" x 1500#  | RF   | LF2                  | A352-LCC, A350-LF2   | AISI 316                   | 1310.07 | 7733910449         | 1055   | 4             |
| 126 | OLIVER            | DBB / MONOFLANGE NEEDLE | 20    | 3/4"   | 1500   | 3/4" x 1500#  | RF   | SS                   | A351-CF8M, A182-F316 | AISI 316                   | 1310.07 | 7733910441         | 3567   | 1             |
| 127 | XOMOX CORPORATION | BALL, RED BORE          | 25    | 1"     | PN10   | TBA           | RF   | CS                   | ASTM A105            | PTFE LINED, LEVER          | 1310.04 | 7750000051         | 1356   | 13            |
| 128 | XOMOX CORPORATION | CHECK, BALL TYPE        | 25    | 1"     | PN10   | TBA           | RF   | CS                   | D. IRON A395         | PFA LINED                  | 1310.04 | 7762000051         | 2792   | 2             |
| 129 | XOMOX CORPORATION | BALL, RED BORE          | 20    | 3/4"   | PN10   | TBA           | RF   | CS                   | ASTM A105            | PTFE LINED, LEVER          | 1310.04 | 7750000041         | 3738   | 4             |
| 130 | PIBIVESSE         | BALL RB, TRUN           | 50    | 2"     | 600    | 2" X 600#     | RF   | LF2                  | A350 LF2             | A182 F316, LEVER           | 1310.03 | 7700831081         | 387    | 2             |
| 131 | PIBIVESSE         | BALL, FB                | 50    | 2"     | 1500   | 2" X 1500#    | RF   | LF2                  | A350 LF2             | A182 F316, LEVER           | 1310.03 | 7700831081         | 1030   | 1             |

| Bil | Brand / Supplier | Type  | Diam. | Inch | Rating | Size x Rating | Face | Body   | Body Material        | Trim                       | MR                        | MESC | Tag No | March Balance |
|-----|------------------|-------|-------|------|--------|---------------|------|--------|----------------------|----------------------------|---------------------------|------|--------|---------------|
| 132 | AUDCO            | GATE  | 250   | 10"  | 150#   | 10" / 150     | RF   | LCC    | A352-LCB/C,A350-LF2  | AISI 316L STELLITE-6       | 20134                     |      | 2099   | 1             |
| 133 | AUDCO            | GATE  | 300   | 12"  | 150#   | 12" / 150     | RF   | LF2    | A352-LCB/C,A350-LF2  | AISI 316L STELLITE-6       | 20140 & 20141             |      | 979    | 2             |
| 134 | AUDCO            | GATE  | 300   | 12"  | 150#   | 12" / 150     | FF   | BRONZE | ASTM B148            | ASTM B148                  | 200001 & 200002           |      | 1275   | 2             |
| 135 | AUDCO            | GATE  | 50    | 2"   | 150#   | 2" / 150      | RF   | SS     | A351-CF8M, A182-F316 | AISI 316L STELLITE-6       | NIL                       |      | 3779   | 5             |
| 136 | AUDCO            | GATE  | 50    | 2"   | 300#   | 2" / 300      | RF   | LCC    | A352-LCB/C,A350-LF2  | AISI 316L STELLITE-6       | 41                        |      | 374    | 1             |
| 137 | AUDCO            | GATE  | 50    | 2"   | 600#   | 2" / 600      | RF   | SS     | A351-CF8M, A182-F316 | AISI 316L STELLITE-6       | NIL                       |      | 233    | 2             |
| 138 | AUDCO            | GATE  | 600   | 24"  | 150#   | 24" / 150     | RF   | SS     | Z351-CF8M, A182-F316 | AISI 316L STELLITE-6, GEAR | NIL                       |      | 3181   | 1             |
| 139 | AUDCO            | GATE  | 600   | 24"  | 150#   | 24" / 150     | RF   | SS     | Z351-CF8M, A182-F316 | AISI 316L STELLITE-6, GEAR | NIL                       |      | 3181   | 1             |
| 140 | AUDCO            | GATE  | 80    | 3"   | 150#   | 3" / 150      | RF   | SS     | A351-CF8M, A182-F316 | AISI 316L STELLITE-6       | NIL                       |      | 4624   | 2             |
| 141 | AUDCO            | GATE  | 80    | 3"   | 150#   | 3" / 150      | NIL  | CF8M   | NIL                  | NIL                        | 21049 & 20944 & 20800     |      | 207    | 3             |
| 142 | AUDCO            | GATE  | 80    | 3"   | 150#   | 3" / 150      | NIL  | LCC    | A352-LCB/C,A350-LF2  | AISI 316L STELLITE-6       | 20188                     |      | 546    | 1             |
| 143 | AUDCO            | GLOBE | 80    | 3"   | 150#   | 3" / 150      | RF   | LF2    | A352-LCB/C,A350-LF2  | AISI 316L STELLITE-6       | 20078 & 20008             |      | 3439   | 1             |
| 144 | AUDCO            | GATE  | 100   | 4"   | 150#   | 4" / 150      | RF   | SS     | A351-CF8M, A182-F316 | AISI 316L STELLITE-6       | NIL                       |      | 2658   | 4             |
| 145 | AUDCO            | GATE  | 100   | 4"   | 150#   | 4" / 150      | RF   | SS     | A351-CF8M, A182-F316 | AISI 316L STELLITE-6       | 142                       |      | 19     | 1             |
| 146 | AUDCO            | GATE  | 100   | 4"   | 300#   | 4" / 300      | RF   | SS     | A351-CF8M, A182-F316 | AISI 316L STELLITE-6       | NIL                       |      | 288    | 1             |
| 147 | AUDCO            | GATE  | 100   | 4"   | 300#   | 4" / 300      | RF   | LCC    | A352-LCB/C,A350-LF2  | AISI 316L STELLITE-6       | 20391                     |      | 485    | 3             |
| 148 | AUDCO            | GATE  | 100   | 4"   | 300#   | 4" / 300      | RF   | LF2    | A352-LCB/C,A350-LF2  | AISI 316L STELLITE-6       | NIL                       |      | 2698   | 2             |
| 149 | AUDCO            | GATE  | 150   | 6"   | 150#   | 6" / 150      | RF   | SS     | A351-CF8M, A182-F316 | NIL                        | NIL                       |      | 196    | 1             |
| 150 | AUDCO            | GATE  | 150   | 6"   | 150#   | 6" / 150      | FF   | BRONZE | ASTM B148            | ASTM B148                  | 20001                     |      | 1282   | 1             |
| 151 | AUDCO            | GATE  | 150   | 6"   | 300#   | 6" / 300      | RF   | SS     | A351-CF8M, A182-F316 | AISI 316L STELLITE-6       | 20373,20374,20375 & 20376 |      | 279    | 4             |
| 152 | AUDCO            | GATE  | 200   | 8"   | 150#   | 8" / 150      | RF   | LCC    | A352-LCB/C,A350-LF2  | AISI 316L STELLITE-6       | 20244                     |      | 611    | 1             |

| Bil | Brand / Supplier   | Type            | Diam. | Inch   | Rating | Size x Rating | Face | Body   | Body Material        | Trim                   | MR               | MESC          | Tag No | March Balance |
|-----|--------------------|-----------------|-------|--------|--------|---------------|------|--------|----------------------|------------------------|------------------|---------------|--------|---------------|
| 153 | AUDCO              | GATE            | 200   | 8"     | 150#   | 8" / 150      | RF   | LCC    | A352-LCB/C,A350-LF2  | AISI 316L STELLITE-6   | 20243 & 20254    |               | 611    | 2             |
| 154 | AUDCO              | GATE            | 200   | 8"     | 150#   | 8" / 150      | RF   | LCC    | A352-LCB/C,A350-LF2  | AISI 316L STELLITE-6   | 20246 & 20247    |               | 611    | 2             |
| 155 | AUDCO              | GATE            | 200   | 8"     | 150#   | 8" / 150      | RF   | SS     | A351-CF8M, A182-F316 | AISI 316L STELLITE-6   | NIL              |               | 2659   | 2             |
| 156 | NILL               | BALL FB         | 80    | 3"     | 150#   | 3" / 150      | RF   | SS     | CF8M                 | NIL                    | NIL              |               | NIL    | 3             |
| 157 | NILL               | BALL FB         | 100   | 4"     | 150#   | 4" / 150      | RF   | SS     | CF8M                 | NIL                    | NIL              |               | NIL    | 2             |
| 158 | SWAN               | BALL FB         | 40    | 1 1/2" | 150#   | 1 1/2" / 150  | RF   | SS     | CF8M                 | NIL                    | NIL              |               | NIL    | 1             |
| 159 | APV                | BALL FB         | 50    | 2"     | 1500#  | 2" / 1500     | RF   | F51    | F51                  | NIL                    | NIL              |               | NIL    | 1             |
| 160 | BONNEY FORGE       | GATE            | 25    | 1"     | 150#   | 1" / 150      | NIL  | LF2    | LF2N                 | STEM F316 / DISC F316L | NIL              |               | 619    | 1             |
| 161 | CHETTERSLEY HEATON | GLOBE           | 150   | 6"     | 150#   | 6" / 150      | RF   | SS     | A351-CF8M, A182-F316 | NIL                    | NIL              |               | T-692  | 1             |
| 162 | DAFRAM             | BALL RB         | 80    | 3"     | 150#   | 3" / 150      | RF   | LF2    | A352-LCB/C,A350-LF2  | AISI 316 PTFE LEVER    | NIL              |               | 494    | 1             |
| 163 | HWASUNG            | NIL             | 50    | 2"     | 300#   | 2" / 300      | NIL  | LCC    | NIL                  | NIL                    | 202              |               | NIL    | 1             |
| 164 | HWASUNG            | NIL             | 50    | 2"     | 300#   | 2" / 300      | NIL  | LCC    | NIL                  | NIL                    | 201 & 203        |               | NIL    | 2             |
| 165 | HWASUNG            | NIL             | 80    | 3"     | 300#   | 3" / 300      | NIL  | LF2    | NIL                  | NIL                    | NIL              |               | NIL    | 4             |
| 166 | OMB                | GLOBE           | 20    | 3/4"   | 800#   | 3/4" / 800    | RF   | LF2    | A105N                | CR13/CR13-HF           | NIL              |               | NIL    | 3             |
| 167 | OMB                | GATE            | 40    | 1 1/2" | 800    | 1 1/2" x 800# | RF   | LF2    | A352-LCB/C, A350-LF2 | NIL                    | NIL              | B16.34/B85352 | NIL    | 2             |
| 168 | KEYSTONE           | BUTTERFLY       | 100   | 4"     | 150#   | 4" / 150      | RF   | LF2    | A105N                | NIL                    | NIL              |               | NIL    | 3             |
| 169 | KEYSTONE           | BUTTERFLY       | 200   | 8"     | 150#   | 8" / 150      | RF   | LF2    | A105N                | NIL                    | NIL              |               | NIL    | 1             |
| 170 | KEYSTONE           | BALL FB         | 40    | 1 1/2" | 150#   | 1 1/2" / 150  | RF   | SS     | CF8M                 | CF8M / F382            | NIL              |               | NIL    | 1             |
| 171 | KEYSTONE           | BALL RB         | 150   | 6"     | 150#   | 6" / 150      | RF   | CF8M   | NIL                  | NIL                    | NIL              |               | NIL    | 1             |
| 172 | KTM                | GATE            | 50    | 2"     | 150#   | 2" / 150      | RF   | LF2    | WCB                  | 316 / 316              | NIL              |               | 153    | 1             |
| 173 | GOODWIN            | CHECK VALVE     | 50    | 2"     | 150#   | 2" / 150#     | RF   | A105N  | LF2                  | DL13                   | NIL              | 776735.008.1  | NIL    | 1             |
| 174 | CHECK RITE         | CHECK VALVE     | 150   | 6"     | NIL    | 6"            | RF   | 12 CBT | NIL                  | NIL                    | NIL              |               | NIL    | 2             |
| 175 | SAPAG              | GLOBE           | 20    | 3/4"   | 800#   | 3/4" X 800#   | RF   | A105N  | A105N                | 316L / 316L ST         | NIL              |               | NIL    | 1             |
| 176 | SAPAG              | GATE            | 20    | 3/4"   | 600#   | 3/4" / 600    | RF   | F11    | F11                  | 316L / 316L            | NIL              |               | NIL    | 1             |
| 177 | KVC                | NIL             | 100   | 4"     | 150#   | 4" / 150      | NIL  | LCB    | NIL                  | NIL                    | NIL              |               | NIL    | 1             |
| 178 | OLIVER             | DBB             | 25    | 1"     | 300#   | 1" / 300      | NIL  | NIL    | NIL                  | NIL                    | 796228           |               | 5382   | 1             |
| 179 | VELAN              | GATE            | 200   | 8"     | 150#   | 8" / 150      | NIL  | WCB    | NIL                  | NIL                    | NIL              |               | NIL    | 1             |
| 180 | XOMOX CORPORATION  | CHECK BALL TYPE | 50    | 2"     | NIL    | 2" PN10       | RF   | CS     | D.IRON A395          | PFA LINED              | PROD.CODE 959435 |               | 1355   | 1             |
| 181 | XOMOX CORPORATION  | CHECK BALL TYPE | 80    | 3"     | NIL    | 3" PN10       | RF   | CS     | D.IRON A395          | PFA LINED              | PROD.CODE 959436 |               | 2798   | 3             |



VALSER ENGINEERING & SERVICES SDN BHD  
 VALSER STOCK LIST (OTWAY VALVES)  
 MARCH (2017)



| Bil | Brand / Supplier | Type  | Diam. | Inch | Rating | Size x Rating | Face | Body   | Body Material        | Trim                       | MR                        | MESC | Tag No | March Balance |
|-----|------------------|-------|-------|------|--------|---------------|------|--------|----------------------|----------------------------|---------------------------|------|--------|---------------|
| 182 | AUDCO            | GATE  | 250   | 10"  | 150#   | 10" / 150     | RF   | LCC    | A352-LCB/C,A350-LF2  | AISI 316L STELLITE-6       | 20134                     |      | 2099   | 1             |
| 183 | AUDCO            | GATE  | 300   | 12"  | 150#   | 12" / 150     | RF   | LF2    | A352-LCB/C,A350-LF2  | AISI 316L STELLITE-6       | 20140 & 20141             |      | 979    | 2             |
| 184 | AUDCO            | GATE  | 300   | 12"  | 150#   | 12" / 150     | FF   | BRONZE | ASTM B148            | ASTM B148                  | 200001 & 200002           |      | 1275   | 2             |
| 185 | AUDCO            | GATE  | 50    | 2"   | 150#   | 2" / 150      | RF   | SS     | A351-CF8M, A182-F316 | AISI 316L STELLITE-6       | NIL                       |      | 3779   | 5             |
| 186 | AUDCO            | GATE  | 50    | 2"   | 300#   | 2" / 300      | RF   | LCC    | A352-LCB/C,A350-LF2  | AISI 316L STELLITE-6       | 41                        |      | 374    | 1             |
| 187 | AUDCO            | GATE  | 50    | 2"   | 600#   | 2" / 600      | RF   | SS     | A351-CF8M, A182-F316 | AISI 316L STELLITE-6       | NIL                       |      | 233    | 2             |
| 188 | AUDCO            | GATE  | 600   | 24"  | 150#   | 24" / 150     | RF   | SS     | Z351-CF8M, A182-F316 | AISI 316L STELLITE-6, GEAR | NIL                       |      | 3181   | 1             |
| 189 | AUDCO            | GATE  | 600   | 24"  | 150#   | 24" / 150     | RF   | SS     | Z351-CF8M, A182-F316 | AISI 316L STELLITE-6, GEAR | NIL                       |      | 3181   | 1             |
| 190 | AUDCO            | GATE  | 80    | 3"   | 150#   | 3" / 150      | RF   | SS     | A351-CF8M, A182-F316 | AISI 316L STELLITE-6       | NIL                       |      | 4624   | 2             |
| 191 | AUDCO            | GATE  | 80    | 3"   | 150#   | 3" / 150      | NIL  | CF8M   | NIL                  | NIL                        | 21049 & 20944 & 20800     |      | 207    | 3             |
| 192 | AUDCO            | GATE  | 80    | 3"   | 150#   | 3" / 150      | NIL  | LCC    | A352-LCB/C,A350-LF2  | AISI 316L STELLITE-6       | 20188                     |      | 546    | 1             |
| 193 | AUDCO            | GLOBE | 80    | 3"   | 150#   | 3" / 150      | RF   | LF2    | A352-LCB/C,A350-LF2  | AISI 316L STELLITE-6       | 20078 & 20008             |      | 3439   | 1             |
| 194 | AUDCO            | GATE  | 100   | 4"   | 150#   | 4" / 150      | RF   | SS     | A351-CF8M, A182-F316 | AISI 316L STELLITE-6       | NIL                       |      | 2658   | 4             |
| 195 | AUDCO            | GATE  | 100   | 4"   | 150#   | 4" / 150      | RF   | SS     | A351-CF8M, A182-F316 | AISI 316L STELLITE-6       | 142                       |      | 19     | 1             |
| 196 | AUDCO            | GATE  | 100   | 4"   | 300#   | 4" / 300      | RF   | SS     | A351-CF8M, A182-F316 | AISI 316L STELLITE-6       | NIL                       |      | 288    | 1             |
| 197 | AUDCO            | GATE  | 100   | 4"   | 300#   | 4" / 300      | RF   | LCC    | A352-LCB/C,A350-LF2  | AISI 316L STELLITE-6       | 20391                     |      | 485    | 3             |
| 198 | AUDCO            | GATE  | 100   | 4"   | 300#   | 4" / 300      | RF   | LF2    | A352-LCB/C,A350-LF2  | AISI 316L STELLITE-6       | NIL                       |      | 2698   | 2             |
| 199 | AUDCO            | GATE  | 150   | 6"   | 150#   | 6" / 150      | RF   | SS     | A351-CF8M, A182-F316 | NIL                        | NIL                       |      | 196    | 1             |
| 200 | AUDCO            | GATE  | 150   | 6"   | 150#   | 6" / 150      | FF   | BRONZE | ASTM B148            | ASTM B148                  | 20001                     |      | 1282   | 1             |
| 201 | AUDCO            | GATE  | 150   | 6"   | 300#   | 6" / 300      | RF   | SS     | A351-CF8M, A182-F316 | AISI 316L STELLITE-6       | 20373,20374,20375 & 20376 |      | 279    | 4             |
| 202 | AUDCO            | GATE  | 200   | 8"   | 150#   | 8" / 150      | RF   | LCC    | A352-LCB/C,A350-LF2  | AISI 316L STELLITE-6       | 20244                     |      | 611    | 1             |

| Bil | Brand / Supplier   | Type            | Diam. | Inch   | Rating | Size x Rating | Face | Body   | Body Material        | Trim                   | MR               | MESC          | Tag No | March Balance |
|-----|--------------------|-----------------|-------|--------|--------|---------------|------|--------|----------------------|------------------------|------------------|---------------|--------|---------------|
| 203 | AUDCO              | GATE            | 200   | 8"     | 150#   | 8" / 150      | RF   | LCC    | A352-LCB/C,A350-LF2  | AISI 316L STELLITE-6   | 20243 & 20254    |               | 611    | 2             |
| 204 | AUDCO              | GATE            | 200   | 8"     | 150#   | 8" / 150      | RF   | LCC    | A352-LCB/C,A350-LF2  | AISI 316L STELLITE-6   | 20246 & 20247    |               | 611    | 2             |
| 205 | AUDCO              | GATE            | 200   | 8"     | 150#   | 8" / 150      | RF   | SS     | A351-CF8M, A182-F316 | AISI 316L STELLITE-6   | NIL              |               | 2659   | 2             |
| 206 | NILL               | BALL FB         | 80    | 3"     | 150#   | 3" / 150      | RF   | SS     | CF8M                 | NIL                    | NIL              |               | NIL    | 3             |
| 207 | NILL               | BALL FB         | 100   | 4"     | 150#   | 4" / 150      | RF   | SS     | CF8M                 | NIL                    | NIL              |               | NIL    | 2             |
| 208 | SWAN               | BALL FB         | 40    | 1 1/2" | 150#   | 1 1/2" / 150  | RF   | SS     | CF8M                 | NIL                    | NIL              |               | NIL    | 1             |
| 209 | APV                | BALL FB         | 50    | 2"     | 1500#  | 2" / 1500     | RF   | F51    | F51                  | NIL                    | NIL              |               | NIL    | 1             |
| 210 | BONNEY FORGE       | GATE            | 25    | 1"     | 150#   | 1" / 150      | NIL  | LF2    | LF2N                 | STEM F316 / DISC F316L | NIL              |               | 619    | 1             |
| 211 | CHETTERSLEY HEATON | GLOBE           | 150   | 6"     | 150#   | 6" / 150      | RF   | SS     | A351-CF8M, A182-F316 | NIL                    | NIL              |               | T-692  | 1             |
| 212 | DAFRAM             | BALL RB         | 80    | 3"     | 150#   | 3" / 150      | RF   | LF2    | A352-LCB/C,A350-LF2  | AISI 316 PTFE LEVER    | NIL              |               | 494    | 1             |
| 213 | HWASUNG            | NIL             | 50    | 2"     | 300#   | 2" / 300      | NIL  | LCC    | NIL                  | NIL                    | 202              |               | NIL    | 1             |
| 214 | HWASUNG            | NIL             | 50    | 2"     | 300#   | 2" / 300      | NIL  | LCC    | NIL                  | NIL                    | 201 & 203        |               | NIL    | 2             |
| 215 | HWASUNG            | NIL             | 80    | 3"     | 300#   | 3" / 300      | NIL  | LF2    | NIL                  | NIL                    | NIL              |               | NIL    | 4             |
| 216 | OMB                | GLOBE           | 20    | 3/4"   | 800#   | 3/4" / 800    | RF   | LF2    | A105N                | CR13/CR13-HF           | NIL              |               | NIL    | 3             |
| 217 | OMB                | GATE            | 40    | 1 1/2" | 800    | 1 1/2" x 800# | RF   | LF2    | A352-LCB/C, A350-LF2 | NIL                    | NIL              | B16.34/B85352 | NIL    | 2             |
| 218 | KEYSTONE           | BUTTERFLY       | 100   | 4"     | 150#   | 4" / 150      | RF   | LF2    | A105N                | NIL                    | NIL              |               | NIL    | 3             |
| 219 | KEYSTONE           | BUTTERFLY       | 200   | 8"     | 150#   | 8" / 150      | RF   | LF2    | A105N                | NIL                    | NIL              |               | NIL    | 1             |
| 220 | KEYSTONE           | BALL FB         | 40    | 1 1/2" | 150#   | 1 1/2" / 150  | RF   | SS     | CF8M                 | CF8M / F382            | NIL              |               | NIL    | 1             |
| 221 | KEYSTONE           | BALL RB         | 150   | 6"     | 150#   | 6" / 150      | RF   | CF8M   | NIL                  | NIL                    | NIL              |               | NIL    | 1             |
| 222 | KTM                | GATE            | 50    | 2"     | 150#   | 2" / 150      | RF   | LF2    | WCB                  | 316 / 316              | NIL              |               | 153    | 1             |
| 223 | GOODWIN            | CHECK VALVE     | 50    | 2"     | 150#   | 2" / 150#     | RF   | A105N  | LF2                  | DL13                   | NIL              | 776735.008.1  | NIL    | 1             |
| 224 | CHECK RITE         | CHECK VALVE     | 150   | 6"     | NIL    | 6"            | RF   | 12 CBT | NIL                  | NIL                    | NIL              |               | NIL    | 2             |
| 225 | SAPAG              | GLOBE           | 20    | 3/4"   | 800#   | 3/4" X 800#   | RF   | A105N  | A105N                | 316L / 316L ST         | NIL              |               | NIL    | 1             |
| 226 | SAPAG              | GATE            | 20    | 3/4"   | 600#   | 3/4" / 600    | RF   | F11    | F11                  | 316L / 316L            | NIL              |               | NIL    | 1             |
| 227 | KVC                | NIL             | 100   | 4"     | 150#   | 4" / 150      | NIL  | LCB    | NIL                  | NIL                    | NIL              |               | NIL    | 1             |
| 228 | OLIVER             | DBB             | 25    | 1"     | 300#   | 1" / 300      | NIL  | NIL    | NIL                  | NIL                    | 796228           |               | 5382   | 1             |
| 229 | VELAN              | GATE            | 200   | 8"     | 150#   | 8" / 150      | NIL  | WCB    | NIL                  | NIL                    | NIL              |               | NIL    | 1             |
| 230 | XOMOX CORPORATION  | CHECK BALL TYPE | 50    | 2"     | NIL    | 2" PN10       | RF   | CS     | D.IRON A395          | PFA LINED              | PROD.CODE 959435 |               | 1355   | 1             |
| 231 | XOMOX CORPORATION  | CHECK BALL TYPE | 80    | 3"     | NIL    | 3" PN10       | RF   | CS     | D.IRON A395          | PFA LINED              | PROD.CODE 959436 |               | 2798   | 3             |